nature

1992

index

volumes

355-360

DATES AND PAGINATION OF WEEKLY ISSUES

Volume No.	Issue No.	Date of Issue	Pagination
355	6355	2 January	1–94
	6356	9 January	95–186
	6357	16 January	187–282
	6358	23 January	283–376
	6359	30 January	377–480
	6360	6 February	481–572
	6361	13 February	573–658
	6362	20 February	659–750
	6363	27 February	751–852
356	6364	5 March	1–90
	6365	12 March	91–178
	6366	19 March	179–270
	6367	26 March	271–364
	6368	2 April	365–460
	6369	9 April	461–546
	6370	16 April	547–642
	6371	23 April	643–728
	6372	30 April	729–814
357	6373	7 May	1–96
	6374	14 May	97–176
	6375	21 May	177–264
	6376	28 May	265–346
	6377	4 June	347–424
	6378	11 June	425–522
	6379	18 June	523–612
	6380	25 June	613–706
358	6381	2 July	1–92
	6382	9 July	93–174
	6383	16 July	175–262
	6384	23 July	263–354
	6385	30 July	355–438
	6386	6 August	439–524
	6387	13 August	525–608
	6388	20 August	609–696
	6389	27 August	697–776
359	6390	3 September	1–90
	6391	10 September	91–172
	6392	17 September	173–256
	6393	24 September	257–346
	6394	1 October	347–464
	6395	8 October	465–562
	6396	15 October	563–656
	6397	22 October	657–758
	6398	29 October	759–864
360	6399	5 November	1–90
	6400	12 November	91–194
	6401	19 November	195–282
	6402	26 November	283–396
	6403	3 December	397–498
	6404	10 December	499–612
	6405	17 December	613–698
	6406	24/31 December	699–768

Author Index Volumes 355–360

Abad-Zapatero, C. Crystallization by centrifugation. *Scientific correspondence*, **356,** 392
Abbondanzo, S J. *See under* Stewart, C L., **359,** 76
Abbott, A. UK universities: Better luck second time?, *News*, **356,** 278
Italian space science: Political feud blocks funds, *News*, **356,** 647
Gene therapy: Italians first to use stem cells, *News*, **356,** 465
See under Swinbanks, D., **356,** 734
Biotech companies rescue Italian vaccine institute, *News*, **357,** 6
Archaeopteryx fossil disappears from private collection, *News*, **357,** 6
Germans to shift funding from physics to biology, *News*, **357,** 182
Germany seeks new funds to meet costs, *News*, **357,** 182
Max Planck supports research in east as cost of reunification climbs, *News*, **357,** 268
Social sciences found worth funding, *News*, **357,** 268
Max Planck funds small projects, *News*, **357,** 269
Germans try to ease overcrowding, *News*, **357,** 349
Italian space scientists win round in funding, *News*, **357,** 351
Europe decides manned space costs too much for now, *News*, **357,** 351
European Patent Office rejects bid to revoke first plant patent, *News*, **357,** 525
Serbs oppose leader, *News*, **357,** 527
EXPO site to become science park, *News*, **357,** 528
Max Planck stays put, *News*, **357,** 528
Delays, confusion over rules hinder EC research projects, *News*, **358,** 98
Italian agency questioned about first astronaut, *News*, **358,** 4
Outlook improves for Flemish researchers, *News*, **358,** 7
Italian peer review under pressure, *News*, **358,** 9
Giotto encounters second comet; ready for more, *News*, **358,** 179
German astronomers fight rumoured closing of institute, *News*, **358,** 267
EMBL director quits after long fight over expansion, *News*, **358,** 267
Germany links biology centres, *News*, **358,** 268
Serbian researchers labour under tightening collar of UN sanctions, *News*, **358,** 360
German states offer to trade power for money, *News*, **358,** 361
Germany plans university reform, *News*, **357,** 618
New German budget aims to restore eastern science, *News*, **358,** 442
EC asked to supplement Framework, *News*, **358,** 443
Bifurcated Belgium shows the strain from collaboration between cultures, *News*, **358,** 445
See under Swinbanks, D., **358,** 527
Report urges UK universities to recoup full overhead costs, *News*, **358,** 528
British Petroleum to slash US and UK research staff, *News*, **358,** 528
See under Swinbanks, D., **359,** 567
See under Klaffke, O., **359,** 568
German professors appeal their dismissals in purge of thousands with ties to Stasi, *News*, **359,** 762
Max Planck opens marine institute, *News*, **359,** 763
Austrian system squeezes out young clinical researchers, *News*, **357,** 104
See under Swinbanks, D., **360,** 5
Max Planck institute gets new life, *News*, **360,** 6
New biology institute in Milan prizes quality above loyalty in effort to become world-class, *News*, **360,** 7
See under Dickson, D., **360,** 93
Fraunhofer institutes told to get more from industry, *News*, **360,** 96
Costs curtail but do not kill European space laboratory, *News*, **360,** 199
German institutes, industry seek to ease genetic engineering laws, *News*, **359,** 93
SKB announces UK redundancies and realignment, (*with* Mundell, I) *News*, **359,** 96
ESA drops Hermes and turns towards links with Russia, *News*, **359,** 176
Flood of applicants delays EC training grants, *News*, **359,** 178
Hungarian law will protect academics strapped for cash, *News*, **359,** 180
Confusion about form and function clouds launch of EC's Decade of the Brain, *News*, **359,** 260
Crossing the border, crossing the ocean, *News*, **359,** 260
Europe tightens rules that govern homeopathic products, *News*, **359,** 469
Doubts grow faster than budget in new Framework plan, *News*, **359,** 471
Sakmann starts German-Israeli fund, *News*, **360,** 285
Germany will ease requirements of gene technology laws in bow to researchers, *News*, **360,** 286
Protesters picket patent office, *News*, **360,** 286
CERN blames full moon for LEP problems, (*with* Pease, R) *News*, **360,** 400
Dutch win a reprieve over threatened lab closing, *News*, **360,** 402
Biotechnology loses another battle in Germany, *News*, **360,** 402
The young and the restless, *News*, **360,** 502
Abbott-Brown, D. *See under* Looker, D., **356,** 258
Abell, J S. *See under* He, Y., **357,** 227
Aboul-ela, F. NMR study of parallel-stranded tetraplex formation by the hexadeoxynucleotide d(TG,T) , (*with* Murchie, A I H, Lilley, D M J) *Letter to Nature*, **360,** 280
Abrahamson, D. Aluminium and global warming, *Scientific correspondence*, **356,** 484
Abramowicz, M A. Vortices on accretion disks, (*with* Lanza, A, Spiegel, E A, Szuszkiewicz, E) *Letter to Nature*, **356,** 41
Acampora, D. *See under* Simeone, A., **358,** 687
Achiba, Y. *See under* Kikuchi, K., **357,** 142
Ackerman, M. *See under* Paulmichl, M., **356,** 238
Ackerman, T P. *See under* Vogelmann, A M., **359,** 47
Ackleson, S G. *See under* Townsend, D W., **360,** 59
Ackrell, B A C. *See under* Sucheta, A., **356,** 361
ACSF investigators. AIDS and sexual behaviour in France, *Commentary*, **360,** 407
Ada, G. HIV: to vaccinate or not to vaccinate?, (*with* Blanden, R, Mullbacher, A) *Commentary*, **359,** 572
Adachi, H. *See under* Strynadka, N C J., **359,** 700
Adams, B A. *See under* Beam, K G., **360,** 169
Adams, C J. *See under* Barrett, P J., **359,** 816
Adams, J L. *Book review by* Petroski, H, **356,** 488
Adams, J M. Methane and Milankovitch cycles, (*with* Faure, H, Petit-Maire, N) *Scientific correspondence*, **355,** 214
Adams, M D. Introns in sequence tags, (*with* Fields, C, Venter, J C) *Scientific correspondence*, **357,** 367
Sequence identification of 2,375 human brain genes, (*with* Dubnick, M, Kerlavage, A R, Moreno, R, Kelley, J M, Utterback, T R, Nagle, J W, Fields, C, Venter, J C) *Letter to Nature*, **355,** 632
Adams, M E. *See under* Mintz, I M., **355,** 827
Adams, R D. *Journal review by* Cahn, R W., **359,** 456
Adamson, D A. *See under* Colhoun, E A., **358,** 316
Adebajo, A F. *See under* Adebajo, A O., **355,** 10
Adebajo, A O. Infant food, (*with* Adebajo, A F) *Correspondence*, **355,** 10
Aderem, A. *See under* Hartwig, J H., **356,** 618
Adshead, S A M. *Book review by* Foust, C M, **358,** 550
Afeyan, N B. Automated real-time immunoassay of biomolecules, (*with* Gordan, N F, Regnier, F E) *Product review*, **358,** 603
Aflone, S. *See under* Egan, M., **358,** 581
Agard, D A. *See under* Baker, D., **356,** 263
Agarwal, U S. Enhancement of polymerization rates for rigid rod-like molecules by shearing, (*with* Khakhar, D V) *Letter to Nature*, **360,** 53
Agosta, W G. *Book review by* Crews, D, **359,** 492
Agostoni-Carbone, M L. *See under* Oliver, S G., **357,** 38
Agrawal, Y C. Enhanced dissipation of kinetic energy beneath surface waves, (*with* Terray, E A, Donelan, M A, Hwang, P A, Williams, A J III, Drennan, W M, Kahma, K K, Kitaigorodskii, S A) *Letter to Nature*, **359,** 219
Aguayo, A. *Journal review by* Barnard, E A., **359,** 445
Ague, J J. Tilt and northward offset of Cordilleran batholiths resolved using igneous barometry, (*with* Brandon, M T) *Letter to Nature*, **360,** 146
Aguet, M. *See under* Büeler, H., **356,** 577
Aguilar, C. *See under* Dhanaraj, V., **357,** 466
Ahlberg, P E. Coelacanth fins and evolution, *Scientific correspondence*, **358,** 459
Aho, A V. *Book review by* Campbell, J A, **359,** 206
Ahrens, E H Jr. *Book review by* Petersdorf, R G, **358,** 722
Ahrens, T J. Deflection and fragmentation of near-Earth asteroids, (*with* Harris, A W) *Review article*, **360,** 429
Aidoo, M. *See under* Hill, A V S., **360,** 434
Aigle, M. *See under* Oliver, S G., **357,** 38
Ainscough, R. *See under* Sulston, J., **356,** 37
Aitken, J. Cell biology: A family of fusion proteins, *News and views*, **356,** 196
Aiuti, F. . . . and attacked, (*with* Baroni, C, Cao, A, Fantoni, A) *Correspondence*, **356,** 188
Promotion in Italy, *Correspondence*, **356,** 556
Aizawa, T. *See under* Yoshikawa, K., **359,** 64
Ajayan, P M. *See under* Ebbesen, T W., **358,** 220
Smallest carbon nanotube, (*with* Iijima, S) *Scientific correspondence*, **358,** 23
Akerlof, C W. *See under* Punch, M., **358,** 477
Akitaya, T. *See under* Mitsuhashi, M., **357,** 519
Akiyama, S-I. *See under* Furukawa, T., **356,** 668
Al-Hasan, R. *See under* Sorkhoh, N., **359,** 109
Al-Ramadi, B K. *See under* Rudensky, A Yu., **359,** 429
Al-Sarraf, N. Direct measurement of potassium-promoted change in heat of adsorption energy of CO on Ni[100], (*with* Stuckless, J T, King, D A) *Letter to Nature*, **360,** 243
Alarcón, B. *See under* Mallabiabarrena, A., **357,** 593
Alberghina, L. *See under* Oliver, S G., **357,** 38
Alberts, B M. *See under* Li, J J., **357,** 114
Albon, S D. *See under* Clutton-Brock, T H., **358,** 11
See under Grenfell, B T., **355,** 823
Albright, C F. *See under* Settleman, J., **359,** 153
Albright, T D. *See under* Stoner, G R., **358,** 412
Albritton, D L. *See under* Solomon, S., **357,** 33
Alcock, C. *See under* Michie, C A., **360,** 264
Aldhous, P. Scientific misconduct: Psychologists rethink Burt, *News*, **356,** 5
Research foundations: Wellcome diversifies, *News*, **356,** 8
Technology transfer: British Technology Group staff win fight for control, *News*, **356,** 94
Human genome: MRC follows NIH on patents, *News*, **356,** 98
UNESCO: Reforms win praise, but not patrons, (*with* Anderson, C) *News*, **356,** 187
UK fund created: HIV compensation, *News*, **355,** 666
AIDS treatment: Confusion over therapy, *News*, **355,** 102
Animal experimentation: AFRC lays down the law, *News*, **355,** 100
Video lessons for UK drug researchers, *News*, **355,** 575
Swiss vote Sunday could restrict animal research, *News*, **355,** 575
Animal experimentation: Swiss public backs research, *News*, **355,** 664
UK astronomy: Shakeup for Royal Observatories, *News*, **355,** 380
Belgian science: Battlefield in Flanders over funding, *News*, **355,** 579
Environment: Look expectantly to Rio, *News*, **355,** 9
Biotechnology industry: Biotech lobby pressures EC, *News*, **355,** 289
EC biotechnology policy: Progress on animal patents, *News*, **355,** 382
Sciences against the odds in Poland, *Commentary*, **355,** 385
British Technology Group: Will US rival strip BTG bare?, *News*, **355,** 485
Environment: Pinning the blame on carbon dioxide, *News*, **355,** 9
CERN told to pay $70 million to engineering consortium, *News*, **355,** 285
Genetic information: Challenge to British forensic database, *News*, **355,** 191
Dietary supplements: 'IQ pills' land in trouble, *News*, **355,** 285
Environment: UK sets 'early warning system', *News*, **355,** 383
Epidemiology: Leukaemia linked to radiation, *News*, **355,** 381
Medical research: Will EC policy boost European health studies?, *News*, **355,** 286
International collaboration: Large Hadron Collider moves ahead, *News*, **355,** 8
EC research faces another poor year, *News*, **355,** 3
EC research: Delors asks for doubled budget, *News*, **355,** 666
Remote sensing: ERS-1 data still in the works, *News*, **355,** 288
Scientific misconduct: Tragedy revealed in Zurich, *News*, **355,** 577
HUGO opposes Venter, *News*, **355,** 194

Gene therapy: Britain gives the green light, *News*, **355**, 190
Ethics: Call for UK gene therapy, *News*, **355**, 286
See under Anderson, C., **355**, 4
See under Anderson, C., **355**, 483
See under Anderson, C., **355**, 483
Pharmaceutical industry: Glaxo benches top manager, *News*, **355**, 665
Environmental monitoring: Gaps loom in satellite data, *News*, **355**, 662
Research prize: Three share Jeantet award in medicine, *News*, **355**, 287
London Zoo: Rebel fellows claim success, *News*, **355**, 100
London Zoo: Jones's head rolls, *News*, **355**, 488
355, 124
British science: Appeal across water, *News*, **355**, 97
Technology: Staff buyout for BTG?, *News*, **355**, 102
British research funding: Universities face changes, *News*, **355**, 5
Intelligent manufacturing: 'Big three' test the waters, (*with* Swinbanks, D) *News*, **355**, 755
Faisal prize: Two honoured, *News*, **355**, 755
UK science policy: Parties discover technology, *News*, **355**, 757
Conservation meeting: Critics urge reform of CITES endangered list, *News*, **355**, 758
Aldrich, C. *See under* Attaya, M., **355**, 647
Aleksander, I. *Book review of* Artificial believers: The ascription of belief (*by* Ballim, A) **357**, 549
Book review of The Turing option (*by* Harrison, H) **360**, 395
Alexander, D R. Sex education and AIDS, *Correspondence*, **360**, 10
Alexandraki, D. *See under* Oliver, S G., **357**, 38
Alfenc-Gelas, F. *See under* Cambien, F., **359**, 641
Alkmin, F F. *See under* Marshak, S., **357**, 491
Allain, J-P. French blood contamination, *Correspondence*, **360**, 99
Allamandola, L J. *See under* Salama, F., **358**, 42
Alldredge, A L. *See under* Smith, D C., **359**, 139
Allegre, C. *Book review by* Herries Davies, G L., **358**, 719
Alleman, J. *See under* Aslanidis, C., **355**, 548
Allemand, P-M. *See under* Stephens, P W., **355**, 331
See under Stephens, P W., **355**, 331
Allen, B. Gravitation: Time travel on a string, (*with* Simon, J) *News and views*, **357**, 19
See under Zhang, Y., **358**, 591
Allen, D. Variable oxygen airglow on Venus as a probe of atmospheric dynamics, (*with* Crisp, D, Meadows, V) *Letter to Nature*, **359**, 516
Allen, M R. Temperature oscillations, (*with* Read, P L, Smith, L A) *Scientific correspondence*, **359**, 679
Temperature time-series?, (*with* Read, P L, Smith, L A) *Scientific correspondence*, **355**, 686
Allen, R. *See under* Shull, M M., **359**, 693
Allen, T D. *See under* Dexter, T M., **360**, 709
Allenby, G. *See under* Levin, A A., **355**, 359
Allerberger, F. A new kind of orphan drug?, (*with* Dierich, M P) *Correspondence*, **357**, 531
Allison, J. *See under* Heath, W R., **359**, 54
Allison, J P. *See under* Harding, F A., **356**, 607
Allison, P A. , *Book review by* Palmer, D. **357**, 453
Allsopp, C E M. *See under* Hill, A V S., **360**, 434
Allegre, C J. *See under* Rotaru, M., **358**, 465
Allherr, R. *See under* Becker, H., **358**, 745
Altmann, S L. *Book review by* Mermin, N D, **357**, 453
Book review of Fearful symmetry: Is God a geometer? (*by* Stewart, I) **360**, 545
Alton, E W F W. *See under* Dorin, J R., **359**, 211
Alzari, P M. *See under* Juy, M., **357**, 89
Amadori, S. Academic promotion in Italy, (*with* Bernasconi, C, Boccadoro, M, Giustolisi, R, Gobbi, M) *Correspondence*, **355**, 581
Amara, J F. *See under* Denning, G M., **358**, 761
Amara, S G. Neurotransmitter transporters: A tale of two families, *News and views*, **360**, 420
Amati, B. Transcriptional activation by the human c-Myc oncoprotein in yeast requires interaction with Max, (*with* Dalton, S, Brooks, M W, Littlewood, T D, Evan, G I, Land, H) *Letter to Nature*, **359**, 423
Amati, P. Electoral ploy?, *Correspondence*, **358**, 706
Amato, A. *See under* Bouvier, M., **360**, 471
Amemiya, C. *See under* Aslanidis, C., **355**, 548
Amemiya, S. Regeneration in sea lilies, (*with* Oji, T) *Scientific correspondence*, **357**, 546
Amigorena, S. Tyrosine-containing motif that transduces cell activation signals also determines internalization and antigen presentation via type III receptors for IgG, (*with* Salamero, J, Davoust, J, Fridman, W H, Bonnerot, C) *Letter to Nature*, **358**, 337
Amiri, P. Tumour necrosis factor α restores granulomas and induces parasite egg-laying in schistosome-infected SCID mice, (*with* Locksley, R M, Parslow, T G, Sadick, M, Rector, E, Ritter, D, McKerrow, J H) *Letter to Nature*, **356**, 604
Amit, A G. *See under* Juy, M., **357**, 89
Amit, D J. *Journal review by* Hertz, J A., **359**, 463
Ammicati, M J. *See under* Dhanaraj, V., **357**, 466
Amon, A. Regulation of p34^{CDC28} tyrosine phosphorylation is not required for entry into mitosis in *S. cerevisiae*, (*with* Surana, U, Muroff, I, Nasmyth, K) *Letter to Nature*, **355**, 368
Amos, J A. *See under* Baldwin, C T., **355**, 637
Amos, L. *Book review by* Mitchison, T J, **357**, 32
Amos, W B. *See under* Amos, L., **357**, 32
Amouyel, P. *See under* Cambien, F., **359**, 641
Anandan, J. The geometric phase, *Review article*, **360**, 307
Ancel, A. Foraging behaviour of emperor penguins as a resource detector in winter and summer, (*with* Kooyman, G L, Ponganis, P J, Gendner, J-P, Lignon, J, Mestre, X, Huin, N, Thorson, P H, Robisson, P, Le Maho, Y) *Letter to Nature*, **360**, 336
Anderson, C. Gene therapy researcher under fire over controversial cancer trials, *News*, **360**, 399
Researchers criticize NIH response to PETA claims, *News*, **356**, 3
Intellectual property: US and India in row, *News*, **356**, 7
Supercomputers: Changing of the guard leaves Cray out, *News*, **356**, 95
US magnetic fusion: Fusion on $2 a day, *News*, **356**, 96
High-energy physics: Zero-sum game, *News*, **356**, 97
Activists burn lab, *News*, **356**, 98
See under Swinbanks, D., **356**, 99
High-energy physics: Z not, *News*, **356**, 99
Biotechnology: 'Silber's folly' goes public, *News*, **356**, 183
Industrial research: Physics losing the corporate struggle, *News*, **356**, 184
US space programme: Industrialist to NASA, *News*, **356**, 184
Superconductivity: Growing up in public, *News*, **356**, 185
Ozone: UV researchers opt for a compromise, *News*, **356**, 186
Scientific misconduct: FBI investigating NIH leaks, *News*, **356**, 186
See under Aldhous, P., **356**, 187
See under Swinbanks, D., **356**, 273
Defence research: Classification Catch-22, *News*, **356**, 274
New icebreaker, *News*, **356**, 279
Watson resigns, genome project open to change, *News*, **356**, 549
Computer networks: NSF pays price for success, *News*, **356**, 551
DNA fingerprinting: Academy approves, critics still cry foul, *News*, **356**, 552
Superconducting supercollider: Congress attacks contractor, accountants, *News*, **356**, 554
Animal research: Military stands firm on dissection, *News*, **356**, 554
US prepares to adopt world patent standards, (*with* Swinbanks, D) *News*, **356**, 645
AIDS therapies: Kemron's secret: it doesn't work, *News*, **356**, 648
Oceanography: Explosion kills two, *News*, **356**, 187
Scientific advocacy: How much green in the greenhouse?, *News*, **356**, 369
Earth observing system: Smaller, but still controversial, *News*, **356**, 370
Industrial research: Grassroots consortia go back to the basics, *News*, **356**, 371
Industrial research: Panel calls for technology company, *News*, **356**, 372
US genome head faces charges of conflict, *News*, **356**, 463
Scientific misconduct: New court challenge for OSI, *News*, **356**, 466
Fetal tissue: US senate votes to overturn research ban, *News*, **356**, 467
White House welcomes Japanese offer to help industry, (*with* Swinbanks, D) *News*, **356**, 734
Seismology: Quake news quickest, *News*, **356**, 735
Biotechnology: Bad timing for BU's stock gamble, *News*, **356**, 736
Congress looks for methods to assess clinical research, *News*, **357**, 5
Visitors to China urged to protest, *News*, **357**, 5
Bill would force journals to follow misconduct rules, *News*, **357**, 7
Report urges software patent fix, *News*, **357**, 7
Universities fear being left out by patent reforms, *News*, **357**, 7
Congress laments politics of energy, *News*, **357**, 8
Space station wins, but House critic says that he's lost it, *News*, **357**, 8
Less science, more policy at Amsterdam AIDS meeting, *News*, **357**, 9
Magellan team fights to extend mission, *News*, **357**, 9
See under Mundell, L., **357**, 99
Hughes Medical Institute reaches further out, *News*, **357**, 101
Peer review loses out in congressional cutting spree, *News*, **357**, 103
Press sues to open White House science meetings, *News*, **357**, 103
NIH scientists chafe under ethics rules on industry ties, *News*, **357**, 180
Congress compromises on rules governing NIH policies, *News*, **357**, 267
Researchers reject fetal tissue banks, *News*, **357**, 267
NIH defends gene patents as filing deadline approaches, *News*, **357**, 270
Congress slashes 'silly titles', *News*, **357**, 271
Sandia looks for a company that will put research before profits, *News*, **357**, 349
NIH laboratory admits to fabricated embryo research, retracts paper, *News*, **357**, 427
Industry surprised by firm US stance on biodiversity treaty, *News*, **357**, 428
US realigns misconduct offices at NIH, *News*, **357**, 431
US to seek gene patents in Europe, *News*, **357**, 525
New French genome centre aims to prove that bigger really is better, *News*, **357**, 526
Will MIT be home to next big centre?, *News*, **357**, 526
Industrial in more than name, *News*, **357**, 527
Computer network rumours prove hard to kill, *News*, **357**, 528
Controversial NIH genome researcher leaves for new $70-million institute, *News*, **358**, 95
See under Swinbanks, D., **358**, 96
Legal battles amid the science, *News*, **358**, 96
US oceanography lab sinks under weight of politics, *News*, **358**, 99
Group asks NIH to stop growth hormone trials, *News*, **358**, 4
French AIDS scandal goes to court, *News*, **358**, 6
NCAR under fire, a victim of its own success, *News*, **358**, 8
US drops Imanishi-Kari investigation; Baltimore withdraws *Cell* retraction, (*with* Watson, T) *News*, **358**, 177
Wall Street remains bearish on value of genome project, *News*, **358**, 180
US rules out gene patent treaty, *News*, **358**, 180
Delaney's revenge: Court rejects US approach to assessing cancer risks in processed foods, *News*, **358**, 181
One policy for all?, *News*, **358**, 181
Contradictory US trade policy opens supercomputer market to Japanese, *News*, **358**, 265
NIH, under fire, freezes grant for conference on genetics and crime, *News*, **358**, 357
US company's gene therapy trial is first to bypass RAC for approval, *News*, **357**, 615
See under Mervis, J., **357**, 616
FBI attaches strings to its DNA database, *News*, **357**, 618
Texas A&M struggles to gain the respect that its researchers have already won, *Commentary*, **357**, 634
A&M's plunge into biotechnology has everything - except staff, *Commentary*, **357**, 635
Widespread CF testing inevitable, Congressional report finds, *News*, **358**, 529
New rules loom for US science funding as Congress passes a lean 1993 budget, (*with* Mervis, J, Watson, T) *News*, **359**, 566
Nobel Prize given for work on protein phosphorylation, *News*, **359**, 570
NOAA appoints ombudsman to repair frayed ties with universities, *News*, **359**, 570
Racial tensions entangle NIH in dispute over AIDS drug, *News*, **359**, 660
Clinton emphasizes technology over science in choosing advisers for presidential campaign, *News*, **359**, 662
Groups sue to end fetal tissue ban, *News*, **359**, 761
US panel rejects hiding source of allegations of misconduct, *News*, **359**, 765
NSF, NIH differ on reporting conflicts, *News*, **359**, 765
US and EC launch separate foundations to help Russians, (*with* Mundell, I) *News*, **359**, 767
NSF opens up long-range plan to public comments, *News*, **358**, 611
NSF unmoved by politics of relocation, *News*, **358**, 612
US government asked to fund more industrial research, *News*, **358**, 615
NSF's proposed conflict-of-interest rules place burden on applicant and institution, *News*, **358**, 700
Legal battles amid the science: Correction, *News*, **358**, 701
Collaboration vetoed, *News*, **356**, 273
Opponents of US earmarks propose reviews to temper worst elements of growing practice, *News*, **360**, 4
NIH plans trials of controversial AIDS drug, *News*, **360**, 8
Paralysed by politics, EPA delays spending any money on EMF research, *News*, **359**, 3
Hurricane pounds Florida research facilities, *News*, **359**, 7
Academy says US national parks need more research, *News*, **359**, 7
Dinosaur books get seal of approval from new society, *News*, **359**, 8
Chefs forswear genetically altered food, *News*, **359**, 8
New contract with DOE laboratories guarantees academic freedoms, *News*, **360**, 202
Safeguards added for appeals in misconduct cases, *News*, **360**, 202
California's money woes hit universities, *News*, **359**, 93
Physicist running for president is accused of distorting science to fit guru's ideas, *News*, **359**, 97
US university told to reveal unfunded NIH application, *News*, **359**, 98
Genetics-and-crime conference cancelled in clash with NIH, *News*, **359**, 98
Brown starts debate with his report asking science to improve economy, *News*, **359**, 175
Big projects eat up NASA's future budgets, *News*, **359**, 179
See under Culliton, B J., **359**, 183
Job prospects are better than ever (but were never as bad as made out) , *News*, **359**, 184
US rejects French request to reopen AIDS patent deal, (*with* Butler, D) *News*, **359**, 262
NIH cDNA patent rejected: backers want to amend law, *News*, **359**, 263
Courts reject DNA fingerprinting, citing controversy after NAS report, *News*, **359**, 349
Agencies told to transfer technology - or else, *News*, **359**, 350

Congress prepares compromise plan to save Landsat, lower costs and improve service. *News*, **359,** 353
NAS to redo atomic studies found to be flawed. *News*, **359,** 354
Gene wars escalate as US official battles NIH over pursuit of patent. *News*, **359,** 467
Small businesses to get bigger slice of US research pie. *News*, **359,** 470
Clinton plans offer hints of technology agenda. *News*, **360,** 288
EMF report draws fire. *News*, **360,** 288
NASA researchers fear crackdown after security lapse. *News*, **360,** 289
Frustration brought panel to showdown. *News*, **360,** 399
US genome project does it the French way, conceding that size matters after all. *News*, **360,** 401
Hughes looks east for next expansion. *News*, **360,** 504
US Academy of Sciences: IOM gets top name. *News*, **355,** 102
Researchers ask for help to save key biopesticide. *News*, **355,** 661
Genetic resources: A gene library that goes "moo". *News*, **355,** 382
Animal research: Court favours mice, rats, birds. *News*, **355,** 191
Green scheme to open Asian markets. *News*, **355,** 194
Authorship: Writer's cramp. *News*, **355,** 101
Roche cuts controversial PCR fees, testing limits. *News*, **355,** 379
Genome project: Patents, round two. *News*, **355,** 665
Cold fusion: Explosion kills one. *News*, **355,** 102
DNA fingerprinting: FBI gives in on genetics. *News*, **355,** 663
Battle lines form over fetal tissue research. *News*, **355,** 189
Human Genome Project: Still room for HUGO?, (*with* Aldhous, P) *News*, **355,** 4
A turn of the worm, (*with* Aldhous, P) *News*, **355,** 483
Genome project faces commercialization test, (*with* Aldhous, P) *News*, **355,** 483
Hungarian science confronts its past. *Commentary*, **355,** 669
Space science: Mute Magellan finds its voice. *Opinion*, **355,** 190
US national laboratories: Beating swords into "critical technologies". *News*, **355,** 578
Space science: Smaller, cheaper, leaner. *News*, **355,** 7
US science budget: Seven per cent solution: too good to be true, (*with* Lindley, D, Gershon, D) *News*, **355,** 486
Space research: NASA chief sacked. *News*, **355,** 665
Scientific misconduct: NIH staffer finds warm reception on other side. *News*, **355,** 98
US government targets indirect cost agreements. *News*, **355,** 97
Science politics: At frontier's end, the "P" word, (*with* Lindley, D) *News*, **355,** 487
Indirect costs: Dingell probe expands. *News*, **355,** 484
Saving Russian science: Will aplenty, but is there a way?. *News*, **355,** 576
Scientific misconduct: A final frenzy for landmark cases?. *News*, **355,** 6
Scientific misconduct: Growing up in public. *News*, **355,** 6
Conflict concerns disrupt panels, cloud testimony. *News*, **355,** 753
Coincidence or conspiracy?. *News*, **355,** 753
Panelist cries foul. *News*, **355,** 755
Evolution education: Creationist victory. *News*, **355,** 757
Animal research: Importer indicted. *News*, **355,** 759
Women in research: NIH aims at 'glass ceiling'. *News*, **356,** 6
Anderson, D M. *See under* Armitage, R J., **357,** 80
Anderson, J B. *See under* Smith, M L., **356,** 428
Anderson, L. *See under* Dorin, J R., **359,** 211
See under Sievering, H., **360,** 571
Anderson, M. *Book review by* Deary, I J, **359,** 28
Anderson, M P. *See under* Denning, G M., **358,** 761
Anderson, M S. Dystrophin mRNA in lyophilized tissue. (*with* Kunkel, L M, Khurana, T S) *Scientific correspondence*, **355,** 778
Anderson, R F. *See under* Lao, Y., **357,** 576
Anderson, R M. *Book review by* Mollison, D, **358,** 29
Anderson, R Y. Possible connection between surface winds, solar activity and the Earth's magnetic field. *Letter to Nature*, **358,** 51
Anderson, T L. Greenhouse dilemma. (*with* Charlson, R J, Coakley, J A) *Correspondence*, **357,** 105
Andersson, L C. *See under* Auvinen, M., **360,** 355
Ando, Y. *See under* Iijima, S., **356,** 776
See under Shinohara, H., **357,** 52
Andrews, B J. Gene expression: Dialogue with the cell cycle. *News and views*, **355,** 393
Andrews, J. *See under* Bond, G., **360,** 245
Andrews, J T. Glaciation: A case of missing water. *News and views*, **358,** 281
Andrews, P. Palaeoanthropology: An ape from the south. *News and views*, **356,** 106
Evolution and environment in the Hominoidea. *Review article*, **360,** 641
Androlewicz, M. *See under* Arnold, D., **360,** 171
Angel, R J. Stability of high-density clinoenstatite at upper-mantle pressures. (*with* Chopelas, A, Ross, N L) *Letter to Nature*, **358,** 322
Angelides, K. *See under* Joe, E-h., **356,** 333
Angliker, H. *See under* Hallenberger, S., **360,** 358
Anima, R. *See under* van Geen, A., **358,** 54
Ankney, C D. Differences in brain size. *Correspondence*, **358,** 531
The brain size/IQ debate. *Correspondence*, **360,** 292
Annaka, M. Multiple phases of polymer gels. (*with* Tanaka, T) *Letter to Nature*, **355,** 430
Annas, G J. . *Book review by* Nelkin, D, **360,** 380
Annunziata, N. *See under* Shull, M M., **359,** 693
Ansari, A Z. Allosteric underwinding of DNA is a critical step in postive control of transcription by Hg-MerR. (*with* Chael, M L, O'Halloran, T V) *Letter to Nature*, **355,** 87
Antaramian, A. *See under* Birnbaumer, M., **357,** 333
See under Rosenthal, W., **359,** 233
Antoine, G. *See under* Oliver, S G., **357,** 38
Antonarakis, S. *See under* Chumakov, I., **359,** 380
Anvret, M. *See under* Buxton, J., **355,** 547
Anwar, R. *See under* Oliver, S G., **357,** 38
App, H. *See under* Kyriakis, J M., **358,** 417
Appenzeller, C. Structure of stratospheric intrusions into the troposphere. (*with* Davies, H C) *Letter to Nature*, **358,** 570
Appleyard, B. *Book review by* Pippard, B, **357,** 29
Aquadro, C F. *See under* Begun, D J., **356,** 519
Arakawa, H. Protein images obtained by STM, AFM and TEM. (*with* Umemura, K, Ikai, A) *Product review*, **358,** 171
Arakawa, M. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
Araki, K. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
Archer, M. *See under* Godthelp, H., **356,** 514
See under Pascual, R., **356,** 704
Aref, H. Vortex air rings: Reply. *Scientific correspondence*, **356,** 200
Argyriou-Tirita, A. *See under* Haas, O A., **359,** 414
Aristotle. *Book review by* Temple, R, **359,** 489
Armitage, R J. Molecular and biological characterization of a murine ligand for CD40. (*with* Fanslow, W C, Strockbine, L, Sato, T A, Clifford, K N, Macduff, B M, Anderson, D M, Gimpel, S D, Davis-Smith, T, Maliszewski, C R, Clark, E A, Smith, C A, Grabstein, K H, Cosman, D, Spriggs, M K) *Letter to Nature*, **357,** 80
Armstrong, F A. *See under* Sucheta, A., **356,** 361
Armstrong, J. Cystic fibrosis: Another protein out in the cold. *News and views*, **358,** 709
Journal review of Trends in cell biology. (*Edited by* Featherstone, C) **359,** 441
Armstrong, R A. *See under* de Wit, M J., **357,** 553
Arnold, B. *See under* Heath, W R., **359,** 547
Arnold, D. Proteasome subunits encoded in the MHC are not generally required for the processing of peptides bound by MHC class I molecules. (*with* Driscoll, J, Androlewicz, M, Hughes, E, Cresswell, P, Spies, T) *Letter to Nature*, **360,** 171
Arnold, E. Structure of HIV-1 reverse transcriptase/DNA complex at 7 Å resolution showing active site locations. (*with* Jacobo-Molina, A, Nanni, R G, Williams, R L, Lu, X, Ding, J, Clark, A D, Zhang, A, Ferris, A L, Clark, P, Hizi, A, Hughes, S H) *Letter to Nature*, **357,** 85
Book review by Hay, A, **357,** 653
Arnold, L. *Book review by* Simpson, J, **356,** 297
Arnold, M. *See under* Veum, T., **356,** 783
See under Valladas, H., **357,** 68
See under Duplessy, J C., **358,** 485
Arnott, G. *See under* Crawford, F., **356,** 390
Aronovitz, M. *See under* Palabrica, T., **359,** 848
Arp, H C. Big Bang contd.., (*with* Burbidge, G, Hoyle, F, Narlikar, J V) *Scientific correspondence*, **357,** 287
Arrott, A. *See under* Stoddard, B L., **360,** 293
Arshavsky, V Y. Regulation of deactivation of photoreceptor G protein by its target enzyme and cGMP. (*with* Bownds, M D) *Letter to Nature*, **357,** 416
Artalejo, C R. Voltage-dependent phosphorylation may recruit Ca^{2+} current facilitation in chromaffin cells. (*with* Rossie, S, Perlman, R L, Fox, A P) *Letter to Nature*, **358,** 63
Arthus, M-F. *See under* Rosenthal, W., **359,** 233
Artois, M. *See under* Flamand, A., **360,** 115
Arveiler, D. *See under* Cambien, F., **359,** 641
Arzoumanian, Z. *See under* Thompson, D J., **359,** 615
Asai, K. *See under* Terano, T., **359,** 788
Åsard, P-E. Anal sex. *Correspondence*, **359,** 182
Asfaw, B. The earliest Acheulean from Konso-Gardula. (*with* Beyene, Y, Suwa, G, Walter, R C, White, T D, Wolde-Gabriel, G, Yemane, T) *Letter to Nature*, **360,** 732
Asfaw, L M. Recent inactivity in African rift. (*with* Bilham, R, Jackson, M, Mohr, P) *Scientific correspondence*, **357,** 447
Ashby, J. *See under* Lohman, P H M., **357,** 185
Ashcroft, N W. *See under* Chabrier, G., **360,** 48
Ashkenazi, A. *See under* Oksenberg, D., **360,** 161
Ashmore, J. Molecular transduction: Do the ear's links link?. (*with* Evans, M) *News and views*, **356,** 111
Ashmun, R A. *See under* Yeager, C L., **357,** 420
Ashton, S V. *See under* Doherty, P., **356,** 791
Ashwell, G J. Improved second-harmonic generation from Langmuir-Blodgett films of hemicyanine dyes. (*with* Hargreaves, R C, Baldwin, C E, Bahra, G S, Brown, C R) *Letter to Nature*, **357,** 393
Asimov, I. . *Book review by* Silk, J, **355,** 407
Aslanidis, C. *See under* Buxton, J., **355,** 547
Cloning of the essential myotonic dystrophy region and mapping of the putative defect. (*with* Jansen, G, Amemiya, C, Shutler, G, Mahadevan, M, Tsilfidis, C, Chen, C, Alleman, J, Wormskamp, N G M, Vooijs, M, Buxton, J, Johnson, K, Smeets, H J M, Lennon, G G, Carrano, A V, Korneluk, R G, Wieringa, B, de Jong, P J) *Letter to Nature*, **355,** 548
Aso, T. Characterization of cDNA for the large subunit of the transcription initiation factor TFIIF. (*with* Vasavada, A, Kawaguchi, T, Germino, F J, Ganguly, S, Kitajima, S, Weissman, S M, Yasukochi, Y) *Letter to Nature*, **355,** 461
Asper, V L. Rapid coupling of sinking particle fluxes between surface and deep ocean waters. (*with* Deuser, W G, Knauer, G A, Lohrenz, S E) *Letter to Nature*, **357,** 670
Assimacopoulos, S. *See under* Houle, D., **359,** 58
Astakhova, L N. *See under* Kazakov, V S., **359,** 21
Atkins, P W. **358,** 550
Atkinson, J. *See under* Braddick, O., **360,** 461
Atsumi, T. Polar and lateral flagellar motors of marine *Vibrio* are driven by different ion-motive forces. (*with* McCarter, L, Imae, Y) *Letter to Nature*, **355,** 182
Attaya, M. *Ham-2* corrects the class I antigen-processing defect in RMA-S cells. (*with* Jameson, S, Martinez, C K, Hermel, E, Aldrich, C, Forman, J, Lindahl, K F, Bevan, M J, Monaco, J J) *Letter to Nature*, **355,** 647
Attree, O. The Lowe's oculocerebrorenal syndrome gene encodes a protein highly homologous to inositol polyphosphate-5-phosphatase. (*with* Olivos, I M, Okabe, I, Bailey, L C, Nelson, D L, Lewis, R A, McInnes, R R, Nussbaum, R L) *Letter to Nature*, **358,** 239
Attwell, D. *See under* Bouvier, M., **360,** 471
See under Miller, B., **355,** 722
Attwood, T K. *See under* Boguski, M S., **358,** 113
Aubert, J-P. *See under* Juy, M., **357,** 89
Aubert, M. *See under* Flamand, A., **360,** 115
Aubry, J-P. CD21 is a ligand for CD23 and regulates IgE production. (*with* Pochon, S, Graber, P, Jansen, K U, Bonnefoy, J-Y) *Letter to Nature*, **358,** 505
Auer, H. *See under* Dirick, L., **357,** 508
See under Primig, M., **358,** 593
Auffray, C. DNA sequences. *Correspondence*, **355,** 292
Auffret, H. *See under* Muller, R., **356,** 322
Aunins, J. *See under* Thornberry, N A., **356,** 768
Aurias, A. *See under* Delattre, O., **359,** 162
Austin, J. Possibility of an Arctic ozone hole in a doubled-CO_2 climate. (*with* Butchart, N, Shine, K P) *Article*, **360,** 221
Austin, R H. *See under* Volkmuth, W D., **358,** 600
Auvinen, M. Ornithine decarboxylase activity is critical for cell transformation. (*with* Paasinen, A, Andersson, L C, Hölttä, E) *Letter to Nature*, **360,** 355
Avent, A G. *See under* Taylor, R., **355,** 27
Avnir, D. *See under* Slama-Schwok, A., **355,** 240
Avron, M. . *Book review by* Lewin, R A, **360,** 119
Avruch, J. *See under* Kyriakis, J M., **358,** 417
Awgulewitsch, A. *Deformed* autoregulatory element from *Drosophila* functions in a conserved manner in transgenic mice. (*with* Iacobs, D) *Letter to Nature*, **358,** 341
Axe, L. *See under* Edwards, D., **357,** 683
Ayala, J M. *See under* Thornberry, N A., **356,** 768
Ayers, G P. Evidence for photochemical control of ozone concentrations in unpolluted marine air. (*with* Penkett, S A, Gillett, R W, Bandy, B, Galbally, I E, Meyer, C P, Elsworth, C M, Bentley, S T, Forgan, B W) *Letter to Nature*, **360,** 446
Azam, F. *See under* Smith, D C., **359,** 139
Azibi, K. *See under* Matsumura, K., **359,** 320
Azuma, M. Superconductivity at 110 K in the infinite-layer compound $(Sr_{1-x}Ca_x)_{1-y}CuO_2$. (*with* Hiroi, Z, Takano, M, Bando, Y, Takeda, Y) *Letter to Nature*, **356,** 775
Baase, W A. *See under* Eriksson, A E., **355,** 371
Babcock, G T. Oxygen activation and the conservation of energy in cell respiration. (*with* Wikström, M) *Review article*, **356,** 301
Baccarani, M. Italian promotions defended . . .. (*with* Castoldi, G, Papa, G, Perona, G, Tura, S) *Correspondence*, **356,** 188
Bachmann, P A. Autocatalytic self-replicating micelles as models for prebiotic structures. (*with* Luisi, P L, Lang, J) *Letter to Nature*, **357,** 57
Backer, D. Pulsar's double period confirmed. (*with* Sallmen, S, Foster, R) *Scientific correspondence*, **358,** 24
Badasso, M. *See under* Dhanaraj, V., **357,** 466
Badler, N I. *Journal review by* Holburn, D., **359,** 454
Badler, V R. *See under* Michel, R H., **360,** 24
Bahn, P G. Archaeology: The making of a mummy. *News and views*, **356,** 109
Archaeology: Amazon rocks the cradle. *News and views*, **355,** 588
Bahra, G S. *See under* Ashwell, G J., **357,** 393
Bai, Q. Substantial hydrogen solubility in olivine and implications for water storage in the mantle. (*with* Kohlstedt, D L) *Letter to Nature*, **357,** 672
Baidins, A. National pride, *Correspondence*, **357,** 105
Bailes, M. *See under* Lyne, A G., **355,** 213
Bailey, L C. *See under* Attree, O., **358,** 239
Bailly, E. Cell biology: Centrosome and cell division. (*with* Bornens, M) *News and views*, **355,** 300
Bailyn, C. Gamma-ray bursts: Puritans and cavaliers. *News and views*, **359,** 478
Bailyn, C D. Gamma-ray astronomy: Geminga joins the class. *News and views*, **357,** 191
See under Fruchter, A S., **359,** 303
Bain, J D. Ribosome-mediated incorporation of a non-standard amino acid into a peptide through expansion of the genetic code. (*with* Switzer, C, Chamberlin, A R, Benner, S A) *Letter to Nature*, **356,** 537
Baird, T. *See under* Dong, W., **355,** 605

Bairoch, A. *See under* Boguski, M S., **358,** 113

Baker, D. A protein-folding reaction under kinetic control. (*with* Sohl, J L, Agard, D A) *Letter to Nature,* **356,** 263

Baker, E. *See under* Falk, D., **358,** 289

Baker, R. How secure?. *Correspondence,* **359,** 100

Baker, R D. Cellular convection in the atmosphere of Venus. (*with* Schubert, G) *Letter to Nature,* **355,** 710

Baker, R D II. Atmospheric cellular convection. (*with* Schubert, G) *Scientific correspondence,* **359,** 370

Baker, T S. *See under* Wang, G., **355,** 275

Bakewell, D. French commercialisation: New company to target technology transfer. *News,* **356,** 275

French research: Publish in English, or perish?. *News,* **356,** 648

French research: A speeded-up plan to spread the wealth. *News,* **356,** 373

French propose agency to spur European defence research. *News,* **357,** 181

Eureka welcomes first East European member. *News,* **357,** 353

Balasubramanian, M K. A new tropomyosin essential for cytokinesis in the fission yeast *S. pombe*. (*with* Helfman, D M, Hemmingsen, S M) *Letter to Nature,* **360,** 84

Balch, W E. *See under* Oberhauser, A F., **360,** 271

Baldwin, C E. *See under* Ashwell, G J., **357,** 393

Baldwin, C T. An exonic mutation in the *HuP2* paired domain gene causes Waardenburg's syndrome. (*with* Hoth, C F, Amos, J A, da-Silva, E O, Milunsky, A) *Letter to Nature,* **355,** 637

Baldwin, R J. *See under* Smith, K L Jr., **359,** 313

Baldwin, T. *See under* Knutton, S., **359,** 369

Baleja, J D. Solution structure of the DNA-binding domain of Cd.-GAL4 from *S. cerevisiae*. (*with* Marmorstein, R, Harrison, S C, Wagner, G) *Letter to Nature,* **356,** 450

Balick, B. *See under* Icke, V., **355,** 524

Baliunas, S L. *See under* Lockwood, G W., **360,** 653

Balkwill, F. **360,** 28

Ball, E E. *See under* Patel, N H., **357,** 339

Ball, L. High-energy cosmic-ray origin. (*with* Melrose, D, Norman, C) *Scientific correspondence,* **359,** 23

Ball, P. Picking up the chemical thread. *News and views,* **356,** 290

Raising the roof of the world. *News and views,* **357,** 642

Squeezing diamond from fullerenes. *News and views,* **355,** 205

Science at an atomic scale. (*with* Garwin, L) *Miscellany,* **355,** 761

Ballesta, J P G. *See under* Oliver, S G., **357,** 38

Ballim, A. *Book review by* Aleksander, I. **357,** 549

Balling, R. *See under* Tassabehji, M., **355,** 635

Balling, R C. *See under* Meyer, G A., **357,** 147

Balmford, A. Swallowing ornamental asymmetry. (*with* Thomas, A) *Scientific correspondence,* **359,** 487

Baltimore, D. *See under* Waksman, G., **358,** 646

Baltisberger, J H. *See under* Farnan, I., **358,** 31

Banchereau, J. *See under* Caux, C., **360,** 258

Banci, L. *See under* Getzoff, E D., **358,** 347

Bando, Y. *See under* Azuma, M., **356,** 775

Bandy, B. *See under* Ayers, G P., **360,** 446

Banerjee, P. *See under* Kyriakis, J M., **358,** 417

Bangham, A D. "Surface tension" in the lungs. *Scientific correspondence,* **359,** 110

Bania, T M. *See under* Rood, R T., **355,** 618

Bankmann, M. Yeast *RAD14* and human xeroderma pigmentosum group A DNA-repair genes encode homologous proteins. (*with* Prakash, L, Prakash, S) *Letter to Nature,* **355,** 555

Banks, M S. *See under* Royden, C S., **360,** 583

Bannwarth, W. *See under* Cammarota, G., **356,** 799

Bansil, R. *See under* Bhaskar, K R., **360,** 458

Bar-Nun, A. *See under* Owen, T., **358,** 43

Bara, L. *See under* Cambien, F., **359,** 641

Baragar, W R A. *See under* Ernst, R E., **356,** 511

Barbacid, M. *See under* Bustelo, X R., **356,** 68

Barbas, C F. *See under* Duchosal, M A., **355,** 258

Barbas, C F III. *See under* Burton, D R., **359,** 782

Barberis, C. *See under* Birnbaumer, M., **357,** 333

Barboni, E. *See under* Tiveron, M-C., **355,** 745

Barbosa, J A. *See under* Riberdy, J M., **360,** 474

Barchue, J. *See under* Gao, F., **358,** 495

Bard, A J. More errors in errors. *Correspondence,* **360,** 404

Bard, J-M. *See under* Cambien, F., **359,** 641

Barde, Y-A. *See under* Sendtner, M., **360,** 757

Bardeu, N. *See under* Pepin, M-C., **355,** 725

Bardeu, P. *Journal review of* Making networks work, **359,** 435

Barger, M S. . *Book review by* Harding, C W. **355,** 689

Bargiello, T A. Corrections: The *Drosophila* clock gene *per* affects intercellular junctional communication. (*with* Saez, L, Bayliss, M K, Gasic, G, Young, M W, Spray, D C) *Article,* **360,** 610

See under Saez, L., **360,** 542

Bargonetti, J. *See under* Farmer, G., **358,** 83

Barillot, E. *See under* Chumakov, I., **359,** 380

Baring, M G. Gamma-ray bursts: Spectral breaks for theorists. *News and views,* **358,** 624

Active galactic nuclei: Ignition of X-ray flares. *News and views,* **360,** 109

Barkan, D. *Book review of* Nationalism and internationalism in science, 1880-1939: Four studies of the Nobel population (*by* Crawford, E) **358,** 116

Barker, J E. *See under* Wolfe, J H., **360,** 749

Barnaby, F. . *Book review by* Walker, W. **356,** 669

Barnard, E A. *Journal review of* Current opinion in neurobiology. (*Edited by* Aguayo, A, Raff, M) **359,** 445

Barnard, T. *Journal review of* Mathematics review. (*Edited by* Mond, D, Stewart, I, Tall, D) **359,** 463

Journal review of Quantum: The student magazine of math and science. (*Edited by* Ossipyan, Y, Glashow, S L, Thurston, W P, Kirkpatrick, L D, Saul, M E) **359,** 463

Barnes, D E. DNA repair: Damage-limitation exercises. *News and views,* **359,** 12

Barnes, J E. Formation of dwarf galaxies in tidal tails. (*with* Hernquist, L) *Letter to Nature,* **360,** 715

Barnes, M. Dating of Nazca aqueducts. *Scientific correspondence,* **359,** 111

Barnes, T M. *See under* Bürglin, T R., **357,** 367

Barnett, S M. Quantum optics: New spectroscopic frontiers. *News and views,* **357,** 537

Barnett, T. *Book review by* Wilkins, H A, **356,** 393

Baroni, C. *See under* Aiuti, F., **356,** 188

Barr, W M. *See under* Codd, G A., **359,** 110

Barratt, M J. *See under* Cano, E., **360,** 116

Barrett, P J. Geochronological evidence supporting Antarctic deglaciation three million years ago. (*with* Adams, C J, McIntosh, W C, Swisher, C C III, Wilson, G S) *Letter to Nature,* **359,** 816

Barrett, S E. *See under* Rosseinsky, M J., **356,** 416

Barrie, L. *See under* McConnell, J C., **355,** 150

Barron, E J. Global change: Lessons from past climates. *News and views,* **360,** 533

Barrow, J D. *Book review by* Berry, M, **360,** 376

Barry, J M. *See under* Rosenberg, S A., **360,** 219

Barstow, M A. *See under* Cooke, B A., **355,** 61

Barth, P. *See under* Rondeau, J-M., **355,** 469

Barton, N H. *See under* Goldman, N., **357,** 440

Basché, Th. Optical modification of a single impurity molecule in a solid. (*with* Moerner, W E) *Letter to Nature,* **355,** 335

Bastin, J. *See under* Kelly, A., **355,** 641

Basturk, O. *See under* Tugrul, S., **359,** 137

Basu, T N. Aberrant regulation of *ras* proteins in malignant tumour cells from type 1 neurofibromatosis patients. (*with* Gutmann, D H, Fletcher, J A, Glover, T W, Collins, F S, Downward, J) *Letter to Nature,* **356,** 713

Bates, J K. *See under* Mazer, J J., **357,** 573

Battaner, E. Magnetic fields as an alternative explanation for the rotation curves of spiral galaxies. (*with* Garrido, J L, Membrado, M, Florido, E) *Letter to Nature,* **360,** 652

Batzer, A. *See under* Rozakis-Adcock, M., **360,** 689

Bauer, H H. *Book review by* Galloway, J W, **358,** 464

Bauer, J E. ^{13}C activity of dissolved organic carbon fractions in the north-central Pacific and Sargasso Sea. (*with* Williams, P M, Druffel, E R M) *Letter to Nature,* **357,** 667

Bauer, P H. Phosducin is a protein kinase A-regulated G-protein regulator. (*with* Müller, S, Puzicha, M, Pippig, S, Obermaier, B, Helmreich, E J M, Lohse, M J) *Letter to Nature,* **358,** 73

Baum, H. *See under* Burroughs, A K., **358,** 377

Baverstock, K F. Alpha-particles and leukaemia. (*with* Sankaranarayanan, K) *Scientific correspondence,* **357,** 369

Baxter, A G. Diabetes: Breast may well be best. (*with* Cooke, A) *News and views,* **359,** 194

Baxter, W. *See under* Davidenko, J M., **355,** 349

Baylies, M K. *See under* Bargiello, T A., **360,** 610

See under Saez, L., **360,** 542

Bayliss, G C. *See under* Driver, J., **360,** 73

Beam, K G. Function of a truncated dihydropyridine receptor as both voltage sensor and calcium channel. (*with* Adams, B A, Niidome, T, Numa, S, Tanabe, T) *Letter to Nature,* **360,** 169

Bean, B P. *See under* Mintz, I M., **355,** 827

Beattie, K A. *See under* Codd, G A., **359,** 110

Beaufumé, P. *See under* Dubois, M A., **358,** 133

Beazer-Barclay, Y. *See under* Powell, S M., **359,** 235

Becerra, J M. *See under* Bello, E., **357,** 531

Beck, J S. *See under* Kresge, C T., **359,** 710

Beck, R A. Artists' offspring. *Correspondence,* **356,** 189

Offspring of scientists. *Correspondence,* **358,** 617

Becker, B A. Differences in brain size. *Correspondence,* **358,** 532

Becker, H. Evidence from ultra-high-pressure marbles for recycling of sediments into the mantle. (*with* Altherr, R) *Letter to Nature,* **358,** 745

Becker, S. Self-organizing neural network that discovers surfaces in random-dot stereograms. (*with* Hinton, G E) *Letter to Nature,* **355,** 161

Beckerman, W. *Book review by* **357,** 371

Becklin, E E. *See under* Lindsey, C., **358,** 308

Beckman, J E. *See under* Watson, R A., **357,** 660

Beckmann, J S. *See under* Froguel, Ph., **356,** 162

See under Froguel, Ph., **357,** 607

Beddington, R S P. *See under* Dorin, J R., **359,** 211

Bednarik, R G. Palaeolithic art found in China. *Scientific correspondence,* **356,** 116

Begelman, M C. *See under* Sikora, M., **356,** 224

Begét, J E. Cyclic formation of debris avalanches at Mount St Augustine volcano. (*with* Kienle, J) *Letter to Nature,* **356,** 701

Béguin, P. *See under* Juy, M., **357,** 89

Begun, D J. Levels of naturally occurring DNA polymorphism correlate with recombination rates in *D. melanogaster*. (*with* Aquadro, C F) *Letter to Nature,* **356,** 519

Behrensmeyer, A K. . *Book review by* Palmer, D. **360,** 426

Behrmann, M. Dissociation between mental imagery and object recognition in a brain-damaged patient. (*with* Winocur, G, Moscovitch, M) *Letter to Nature,* **359,** 636

Belasco, J G. *See under* Bouvet, P., **360,** 488

Belich, M P. Unusual *HLA-B* alleles in two tribes of Brazilian Indians. (*with* Madrigal, J A, Hildebrand, W H, Zemmour, J, Williams, R C, Luz, R, Petzl-Erler, M L, Parham, P) *Letter to Nature,* **357,** 326

Bell, D R. Earth sciences: Water in mantle minerals. *News and views,* **357,** 646

Bell, G I. *See under* Vionnet, N., **356,** 721

Bell, M. *Book review by* Mannion, A M. **359,** 787

Bell, R. *Book review by* Mervis, J. **357,** 374

Bell, R E. Crustal control of ridge segmentation inferred from observations of the Reykjanes Ridge. (*with* Buck, W R) *Letter to Nature,* **357,** 583

Bell, S P. ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex. (*with* Stillman, B) *Article,* **357,** 128

Bellanné-Chantelot, C. *See under* Chumakov, I., **359,** 380

Bello, E. Counting on taxonomy. (*with* Becerra, J M, Valdecasas, A G) *Correspondence,* **357,** 531

Ben-Amotz, A. . *Book review by* Lewin, R A. **360,** 119

Benaroch, P. *See under* Krishna, S., **357,** 164

Bendahan, A. *See under* Pines, G., **360,** 464

See under Pines, G., *Erratum,* **360,** 768

Bender, A. *See under* Chenevert, J., **356,** 77

Bender, J F. *See under* Reynolds, J R., **359,** 493

Benfenati, F. *See under* Schiavo, G., **359,** 832

Synaptic vesicle-associated Ca^{2+}/calmodulin-dependent protein kinase II is a binding protein for synapsin I. (*with* Valtorta, F, Rubenstein, J L, Gorelick, F S, Greengard, P, Czernik, A J) *Letter to Nature,* **359,** 417

Benham, C D. Neurotransmitters: ATP joins the fast lane. *News and views,* **359,** 103

Benit, P. *See under* Oliver, S G., **357,** 38

Benjamin, C. *See under* Palabrica, T., **359,** 848

Bennema, P. *See under* Liu, X-Y., **356,** 778

Benner, S A. *See under* Bain, J D., **356,** 537

Correct structure prediction?. (*with* Cohen, M A, Gerloff, D) *Scientific correspondence,* **359,** 781

Bennett, A. Predicting hurricane tracks. (*with* Hagelberg, C, Leslie, L) *Scientific correspondence,* **360,** 423

Bennett, M B. *See under* Swartz, S M., **359,** 726

Bennett, M J. *See under* Choe, S., **357,** 216

Bennett, S. *See under* Hill, A V S., **355,** 403

Benoit, P H. *See under* Sears, D W G., **357,** 207

Bentley, D. *Journal review by* Sarkar, G., **359,** 447

Bentley, S T. *See under* Ayers, G P., **360,** 446

Benton, D. IQ and diet. *Correspondence,* **355,** 667

Benusiglio, E. *See under* Foulkes, N S., **355,** 80

Benz, H M. *See under* Vidale, J E., **356,** 678

See under Vidale, J E., **359,** 627

Beral, V. Childhood thyroid cancer in Belarus. (*with* Reeves, G) *Scientific correspondence,* **359,** 680

Berben, G. *See under* Oliver, S G., **357,** 38

Belgian science. *Correspondence,* **360,** 10

Bercegol, H. Young's modulus of a solid two-dimensional Langmuir monolayer. (*with* Meunier, J) *Letter to Nature,* **356,** 226

Berendt, A R. *See under* Roberts, D J., **357,** 689

Beretta, G P. *See under* Gyftopoulos, E P., **356,** 28

Bergamaschi, B A. *See under* Hedges, J I., **359,** 202

Bergantino, E. *See under* Oliver, S G., **357,** 38

Berger, J R. . *Book review by* Vile, R G. **359,** 491

Berget, S M. *See under* Niwa, M., **360,** 277

Berggren, P-O. *See under* Sjoholm, P., **357,** 28

Berk, A J. *See under* Yew, P R., **357,** 82

Berkhout, B V. *See under* Buckingham, M J., **356,** 327

Berkhout, F. Storing plutonium. (*with* Feiveson, H) *Correspondence,* **359,** 769

Berks, M. *See under* Sulston, J., **356,** 37

Bernaerts, A. Climate change. *Correspondence,* **360.** 292

Bernaldo de Quiros, F. *See under* Valladas, H., **357,** 68

Bernasconi, C. *See under* Amadori, S., **355,** 581

Berner, R A. Palaeo-CO_2 and climate. *Scientific correspondence,* **358,** 114

Berns, A. *See under* Clarke, A R., **359,** 328

Bernsen, N O. Scope of Human Frontiers. *Correspondence,* **359,** 99

Berry, M. A single point mutation is the cause of the Greek form of hereditary persistance of fetal haemoglobin. (*with* Grosveld, F, Dillon, N) *Letter to Nature,* **358,** 499

Book review of Pi in the sky: Counting, thinking, and being (*by* Barrow, J D) **360,** 376

Bertagnolo, V. *See under* Martelli, A M., **358,** 242

Berthold, P. Rapid microevolution of migratory behaviour in a wild bird species. (*with* Helbig, A J, Mohr, G, Querner, U) *Letter to Nature,* **360,** 668

Bertin, R I. *See under* Waser, N M., **356,** 667

Bertness, M D. *See under* Gaines, S D., **360,** 579

Bertoglio, J. *Journal review by* Sewell, H F., **359,** 442

Bertrand, D. *See under* Galzi, J-L., **359,** 500

Bertrand, S. *See under* Galzi, J-L., **359,** 500

Bertsch, D L. Pulsed high-energy gamma-radiation from Geminga (1E0630+178) . (*with* Brazier, K T S, Fichtel, C E, Hartman, R C, Hunter, S D, Kanbach, G, Kniffen, D A, Kwok, P W, Lin, Y C, Mattox, J R, Mayer-Hasselwander, H A, Montigny, C v, Michelson, P F, Nolan, P L, Pinkau, K, Rothermel, H, Schneid, E J, Sommer, M, Sreekumar, P,

Thompson, D J) *Letter to Nature*, **357,** 306
See under Thompson, D J., **359,** 615
Best, P M. *See under* Wang, J., **359,** 739
Bethune, D S. *See under* Johnson, R D., **355,** 239
Betts, W B. *Journal review of* Biomass and bioenergy. (*Edited by* Coombs, J, Hall, D O, Overend, R P, Smith, W H) **359,** 462
Betzel, C. *See under* Strynadka, N C J., **359,** 700
Bevan, M J. *See under* Vukmanovic, S., **359,** 729
See under Attaya, M., **355,** 647
Beverley, P C L. *See under* Michie, C A., **360,** 264
Beyene, Y. *See under* Asfaw, B., **360,** 732
Beyer, I. *See under* Veum, T., **356,** 783
Beyers, A D. *See under* Williams, A F., **356,** 746
Bezdek, R H. Sharing out NASA's spoils. (*with* Wending, R M) *Commentary*, **355,** 105
Bhaskar, K R. Viscous fingering of HCl through gastric mucin. (*with* Garik, P, Turner, B S, Bradley, J D, Bansil, R, Stanley, H E, LaMont, J T) *Letter to Nature*, **360,** 458
Bhat, P N. Evidence for sub-millisecond structure in a γ-ray burst. (*with* Fishman, G J, Meegan, C A, Wilson, R B, Brock, M N, Paciesas, W S) *Letter to Nature*, **359,** 217
Bhat, R V. More on legumes. (*with* Raghuram, T C) *Correspondence*, **360,** 505
Bhatt, H. *See under* Stewart, C L., **359,** 76
Bhattacharya, D. *See under* Wuers, R A M J., **355,** 593
Bianchi, G. *See under* Goodacre, R., **359,** 594
Bichet, D G. *See under* Rosenthal, W., **359,** 233
Bickle, T A. *See under* Meisel, A., **355,** 467
Biddison, W. *See under* Malnati, M S., **357,** 702
Biellmann, J-F. *See under* Rondeau, J-M., **355,** 469
Biggin, S. Synchrotron beamlines open as plans are laid for repairs. *News*, **360,** 3
Bignami, G. Remedies for brain disorders. *Correspondence*, **359,** 266
Bignami, G F. Geminga: new period, old gamma-rays. (*with* Caraveo, P A) *Scientific correspondence*, **357,** 287
Astronomy: A different kind of Universe. *News and views*, **360,** 416
Compton Observatory: Gamma-ray power from 3C279. *News and views*, **355,** 299
Bilham, R. *See under* Asfaw, L M., **357,** 447
Billaut, A. *See under* Chumakov, I., **359,** 380
Billings-Gagliardi, S. *See under* Suter, U., **356,** 241
Bindoff, N L. Warming of the water column in the southwest Pacific Ocean. (*with* Church, J A) *Letter to Nature*, **357,** 59
Binney, J. Cosmology: Cold dark matter under a cloud. *News and views*, **358,** 104
Dark matter versus magnetism. *News and views*, **360,** 624
Birch, M C. **360,** 120
Birck, J L. *See under* Rotaru, M., **358,** 465
Bird, R T. *See under* Larson, R L., **356,** 571
Biretta, J. *See under* Stiavelli, M., **355,** 802
Birge, R B. *See under* Waksman, G., **358,** 646
Birkenbach, M. *See under* Li, Q X., **356,** 347
Birkenmeier, E H. *See under* Wolfe, J H., **360,** 749
Birkett, P R. Preparation and characterization of $C_{60}Br_6$ and $C_{60}Br_{24}$. (*with* Hitchcock, P B, Kroto, H W, Taylor, R, Walton, D R M) *Letter to Nature*, **357,** 479
Birkhead, T R. *Book review by* Kirkpatrick, M., **357,** 30
Birkl, G. Multiple-shell structures of laser-cooled $^{24}Mg^+$ ions in a quadrupole storage ring. (*with* Kassner, S, Walther, H) *Letter to Nature*, **357,** 310
Birnbaumer, M. Molecular cloning of the receptor for human antidiuretic hormone. (*with* Seibold, A, Gilbert, S, Ishido, M, Barberis, C, Antaramian, A, Brabet, P, Rosenthal, W) *Letter to Nature*, **357,** 333
See under Rosenthal, W., **359,** 233
Biron, K K. *See under* Sullivan, V., **358,** 162
Bishop, C E. *See under* Mitchell, M J., **359,** 528
Bishop, D J. *See under* Durán, C A., **357,** 474
Bissonnette, R P. Apoptotic cell death induced by c-*myc* is inhibited by *bcl-2*. (*with* Echeverri, F, Mahboubi, A, Green, D R) *Letter to Nature*, **359,** 552
Biteau, N. *See under* Oliver, S G., **357,** 38
Bix, M. Inefficient positive selection of T cells directed by haematopoietic cells. (*with* Raulet, D) *Letter to Nature*, **359,** 330
Bixler, L S. *See under* Resnick, J L., **359,** 550
Bjorås, M. *See under* Pines, G., **360,** 464; *Erratum*, **360,** 768
Black, D. *See under* Malhotra, R., **356,** 583
Black, M. *Journal review by* Probert, R., **359,** 450
Black, S. Rational disposal of chemical weapons. *Commentary*, **360,** 621
Blackstone, N W. *See under* Cunningham, C W., **355,** 539
Blackwood, E M. *See under* Kretzner, L., **359,** 426
Blaikie, P. *See under* Barnett, T., **356,** 393
Blake, D J. *See under* Tinsley, J M., **360,** 591
Blanchard, T. Orphan drugs. *Correspondence*, **358,** 534
Blancou, J. *See under* Flamand, A., **360,** 115
Blanden, B. *See under* Ada, G., **359,** 572
Blandford, R D. A brief history of pulsar time. *News and views*, **359,** 675
Blaner, W. *See under* Perera, F P., **360,** 256
Blanpied, M L. An earthquake mechanism based on rapid sealing of faults. (*with* Lockner, D A, Byerlee, J D) *Letter to Nature*, **358,** 574
See under Sleep, N H., **359,** 687
Blatter, E E. Identification of an amino acid-base contact in the GCN4-DNA complex by bromouracil-mediated photocrosslinking. (*with* Ebright, Y W, Ebright, R H) *Letter to Nature*, **359,** 650
Blau, H M. *See under* Gussoni, E., **356,** 435
Developmental biology: How cells know their place. *News and views*, **358,** 284
Blaxter, J H S. *Journal review of* Reviews in fish biology and fisheries. (*Edited by* Pitcher, T J) **359,** 451
Blecha, A. Fast pulsations in a Wolf-Rayet star. (*with* Schaller, G, Maeder, A) *Letter to Nature*, **360,** 320
Blechner, M. Talking telephone numbers. *Correspondence*, **359,** 665
Blenis, J. *See under* Kuo, C J., **358,** 70
Blest, A D. Brain size differences. *Correspondence*, **359,** 182
Blinov, L M. *See under* Tournilhac, F., **359,** 621
Blitz, L. *See under* Spergel, D N., **357,** 665
Astronomy: Fire burn and cauldron bubble. *News and views*, **357,** 361
Galaxy formation: Struggling with hieroglyphics. *News and views*, **360,** 21
Blobel, C P. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion. (*with* Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) *Letter to Nature*, **356,** 248
Block, S M. Making light work with optical tweezers. *Product review*, **360,** 493
Blocki, F A. Rat liver protein linking chemical and immunological detoxification systems. (*with* Schlievert, P M, Wackett, L P) *Letter to Nature*, **360,** 269
Bloembergen, N. Condensed state: First light on fluid carbon. *News and views*, **356,** 110
Bloom, B R. Tuberculosis: Back to a frightening future. *News and views*, **358,** 538
Bloom, F E. Cost of brain disorders. (*with* Cowey, A, Faull, R L M, Grahame-Smith, D G, Gray, J A, Hökfelt, T, Iversen, L L, Llinas, R R, Marsden, C D, Purpura, D P, Raff, M C, Smith, A D, Snyder, S H, Somogyi, P) *Correspondence*, **358,** 184
Bloom, T L. Anti-gene therapy?. *News and views*, **359,** 19
Bloomer, S. Mid-ocean ridges: Slimline magma chambers. (*with* Meyer, P) *News and views*, **357,** 117
Bloor, D. Molecular electronics: Tunable polymer diodes. *News and views*, **356,** 19
Blow, D. *Journal review of* Current opinion in structural biology. (*Edited by* Hendrickson, W, Klug, A) **359,** 448
Blow, K. *Journal review of* Soviet lightwave communications. (*Edited by* Prokhorov, A M) **359,** 454
Bluestone, M. New York: Restoring shine on the Big Apple. *News*, **356,** 649
Blum, L J. *Book review by* Malan, G., **358,** 200
Blundell, T. *Book review of* Protein structure: New approaches to disease and therapy (*by* Perutz, M) **360,** 218
Blundell, T L. *See under* Dhanaraj, V., **357,** 466
See under Louie, G V., **359,** 33
Blüethmann, H. *See under* Büeler, H., **356,** 577
Boatman, J. *See under* Sievering, H., **360,** 571
Boccadoro, M. *See under* Amadori, S., **355,** 581
Bochkarev, N G. *Journal review by* Rowan-Robinson, M., **359,** 460
Freedom does not bring money. (*with* Chernin, A D, Efremov, Yu N, Samus, N N, Zasov, A V) *Correspondence*, **355,** 384
Bock, G R. *Book review by* Slack, J., **355,** 217
Bock, L C. Selection of single-stranded DNA molecules that bind and inhibit human thrombin. (*with* Griffin, L C, Latham, J A, Vermaas, E H, Toole, J J) *Letter to Nature*, **355,** 564
Bőcskei, Z. Pheromone binding to two rodent urinary proteins revealed by X-ray crystallography. (*with* Groom, C R, Flower, D R, Wright, C E, Phillips, S E V, Cavaggioni, A, Findlay, J B C, North, A C T) *Letter to Nature*, **360,** 186
Bode, M F. *See under* Lloyd, H M., **356,** 222
Bode, W. Structure of astacin and implications for activation of astacins and zinc-ligation of collagenases. (*with* Gomis-Rüth, F X, Huber, R, Zwilling, R, Stöcker, W) *Letter to Nature*, **358,** 164
Bodinier, J L. *See under* Takazawa, E., **359,** 55
Bodmer, W. *Journal review by* Williams, N., **359,** 464
Bodmer, W F. *See under* Pullman, W E., **356,** 529
Boeke, J D. *See under* Voytas, D F., **358,** 717
Boella, G. *See under* Pacini, F., **359,** 10
Bogart, J P. *See under* Hedges, S B., **356,** 708
Boger, D L. *Journal review by* James, K., **359,** 458
Boguski, M S. Proto-*vav* and gene expression. (*with* Bairoch, A, Attwood, T K, Michaels, G) *Scientific correspondence*, **358,** 113
Bolen, J B. *See under* Eiseman, E., **355,** 78
Boletzky, S V. Octopod 'ballooning' response. (*with* Rio, M, Roux, M) *Scientific correspondence*, **356,** 199
Bollag, G. RAS regulation: NF is enough of GAP. (*with* McCormick, F) *News and views*, **356,** 663
Bolle, P A. *See under* Oliver, S G., **357,** 38
Bollens, S M. *See under* Van Dover, C L., **358,** 25
Bolotin-Fukuhara, M. *See under* Oliver, S G., **357,** 38
Bolotovskii, B M. *Book review by* Charap, J M. **358,** 201
Bolton, B J. *See under* Stacey, G N., **359,** 681
See under Stacey, G N., **357,** 261
Boman, A L. A role for ADP-ribosylation factor in nuclear vesicle dynamics. (*with* Taylor, T C, Malanon, P, Wilson, K L) *Letter to Nature*, **358,** 512
Bonalume, R. Conservation: Red tape delays funds for Amazonia. *News*, **356,** 7
Brazil: Firing up for Earth summit. *News*, **356,** 278
Brazil: Cabinet reshuffled again. *News*, **356,** 467
Society asks Brazil's president to resign. *News*, **358,** 357
Forthcoming space launch rekindles debate in Brazil. *News*, **360,** 290
Brazilian universities: Soviet immigrants trigger debate. *News*, **355,** 758
Bonan, G B. Effects of boreal forest vegetation on global climate. (*with* Pollard, D, Thompson, S L) *Letter to Nature*, **359,** 716
Bonani, G. *See under* Bond, G., **360,** 245
Bonas, U. *See under* Herbers, K., **356,** 172
Boncinelli, E. *See under* Simeone, A., **358,** 687
Bond, G. Evidence for massive discharges of icebergs into the North Atlantic ocean during the last glacial period. (*with* Heinrich, H, Broecker, W, Labeyrie, L, McManus, J, Andrews, J, Huon, S, Jantschik, R, Clasen, S, Simet, C, Tedesco, K, Klas, M, Bonani, G, Ivy, S) *Letter to Nature*, **360,** 245
Bond, H E. Stellar chemistry: A case of missing metals. *News and views*, **356,** 474
Bondi, H. The philosopher for science. *Commentary*, **358,** 363
Book review of The recollections of Eugene Wigner as told to Andrew Szanton (*by* Szanton, A) **360,** 374
Bone, N. *Book review by* Saunders, M. **360,** 428
Bone, Q. *Journal review by* Wills, C., **359,** 438
Bonevich, J. *See under* Harada, K., **360,** 51
Bonnefoy, J-Y. *See under* Aubry, J-P., **358,** 505
Bonner, T N. *Book review by* Rossiter, M W. **356,** 485
Bonnerot, C. *See under* Amigorena, S., **358,** 337
Bonnor, W B. Time machine from dust. *Scientific correspondence*, **358,** 288
Boodhoo, A. *See under* Stein, P E., **355,** 748
Bookbinder J. *See under* Fruchter, A S., **359,** 303
Booker, G W. Structure of an SH2 domain of the p85 α subunit of phosphatidylinositol-3-OH kinase. (*with* Breeze, A L, Downing, A K, Panayotou, G, Gout, I, Waterfield, M D, Campbell, I D) *Letter to Nature*, **358,** 684
Boothroyd, J C. *See under* Sibley, L D., **359,** 82
Border, W A. Natural inhibitor of transforming growth factor-ß protects against scarring in experimental kidney disease. (*with* Noble, N A, Yamamoto, T, Harper, J R, Yamaguchi, Y, Pierschbacher, M D, Ruoslahti, E) *Letter to Nature*, **360,** 361
Borgia, A. Importance of gravitational spreading in the tectonic and volcanic evolution of Mount Etna. (*with* Ferrari, L, Pasquarè, G) *Letter to Nature*, **357,** 231
Borgia, G. Swallowing ornamental asymmetry. (*with* Wilkinson, G) *Scientific correspondence*, **359,** 487
Bork, P. What's in a genome?. (*with* Ouzounis, C, Sander, C, Scharf, M, Schneider, R, Sonnhammer, E) *Scientific correspondence*, **358,** 287
Borland, S C. *See under* Phillips, J B., **359,** 142
Born, R T. Segregation of global and local motion processing in primate middle temporal visual area. (*with* Tootell, R B H) *Letter to Nature*, **357,** 497
Bornens, M. *See under* Bailly, E., **355,** 300
Borresen, A L. *See under* Helland, Å., **356,** 23
Bos, J L. *See under* de Vries-Smits, A M M., **357,** 602
Bosakowski, T. *See under* Levin, A A., **355,** 359
Bosch, A. *See under* Chumakov, I., **359,** 380
Bosch, V. *See under* Hallenberger, S., **360,** 358
Bostian, K A. *See under* Foor, F., **360,** 682
Botstein, D. *See under* Fedoroff, N., **358,** 631
Bottenheim, J. *See under* McConnell, J C., **355,** 150
Bouguéleret, L. *See under* Chumakov, I., **359,** 380
Bourke, R H. *See under* McLaren, A S., **358,** 224
Bourne, H R. *See under* Federman, A D., **356,** 159
G proteins: The target sets the tempo. (*with* Stryer, L) *News and views*, **358,** 541
Turning off GTP signals. (*with* Stryer, L) *News and views*, **358,** 542
Journal review of Receptor. (*Edited by* Litwack, G) **359,** 443
Bours, V. *See under* Franzoso, G., **359,** 339
Bouvet, J. *See under* Taberlet, P., **358,** 197
Bouvet, P. Control of RNase E-mediated RNA degradation by 5'terminal base pairing in *E. Coli*. (*with* Belasco, J G) *Letter to Nature*, **360,** 488
Bouvier, M. The glial cell glutamate uptake carrier countertransports pH-changing anions. (*with* Szatkowski, M, Amato, A, Attwell, D) *Letter to Nature*, **360,** 471
Bowie, J U. *See under* Lüthy, R., **356,** 83
Bowles, D. *Journal review by* Rubery, P., **359,** 439
Bowles, D J. *See under* Wildon, D C., **360,** 62
Bowmaker, J K. *See under* Mollon, J D., **360,** 677
Bown, P R. *See under* Young, J R., **356,** 516
Bowuds, M D. *See under* Arshavsky, V Y., **357,** 416
Boyd, R. *Book review by* Ziman, J. **355,** 408
Boyle, E A. *See under* Colodner, D C., **358,** 402
Boynton, W V. *See under* Kring, D A., **358,** 141
Braakman, I. Role of ATP and disulphide bonds during protein folding in the endoplasmic reticulum. (*with* Helenius, J, Helenius, A) *Letter to Nature*, **356,** 260
Brabet, P. *See under* Birnbaumer, M., **357,** 333
Braddick, O. Possible blindsight in infants lacking one cerebral hemisphere. (*with* Atkinson, J, Hood, B, Harkness, W, Jackson, G, Vargha-Khadem, F) *Letter to Nature*, **360,** 461
Bradley, A. *See under* Donehower, L A., **356,** 215
See under Matzuk, M M., **360,** 313
See under Lee, E Y-H P., **359,** 288
Bradley, C R. *See under* Mazer, J J., **357,** 573

Bradley, D D C. *See under* Burn, P L., **356,** 47
Bradley, J D. *See under* Bhaskar, K R., **360,** 458
Bradley, J P. *See under* Mazer, J J., **357,** 573
Bradley, R S. . *Book review by* Ruddiman, W F. **358,** 721
Bradshaw, A. *See under* He, Y., **357,** 227
Bradshaw, S. *See under* Johnson, A M., **360,** 410
Bradshaw, S A. *See under* Eglinton, G., **356,** 423
Brady, G. *See under* Cumano, A., **356,** 612
Brainerd, J J. Gamma-ray bursts in the galactic halo. *Letter to Nature,* **355,** 522
Brand, C R. Sizing-up the brain. *Correspondence,* **359,** 768
Brandon, M T. *See under* Ague, J J., **360,** 146
Brandt, J C. *Book review by* Hughes, D W. **359,** 115
Brandt-Rauf, P. *See under* Perera, F P., **360,** 256
Brannan, C I. *See under* Watanabe-Fukunaga, R., **356,** 314
Brannon, J C. Alleghenian age of the Upper Mississippi Valley zinc-lead deposit determined by Rb-Sr dating of sphalerite. (*with* Podosek, F A, McLimans, R K) *Letter to Nature,* **356,** 509
Brasier, C. Mycology: A champion thallus. *News and views,* **356,** 382
Brasier, C M. Oak tree mortality in Iberia. *Scientific correspondence,* **360,** 539
Brassell, S C. *See under* Kennedy, J A., **357,** 62
Brasseur, G. Ozone depletion: Volcanic aerosols implicated *News and views,* **359,** 275
Bratzel jr, M P. Canada calling. *Correspondence,* **355,** 292
Braun, D C. *See under* Lindsey, C., **358,** 308
Braun, R. Counter-rotating gaseous disks in the "Evil Eye" galaxy NGC4826. (*with* Walterbos, R A M, Kennicutt, R C Jr) *Letter to Nature,* **360,** 442
Brautigan, D L. *See under* Kyriakis, J M., **358,** 417
Braverstock, K. Thyroid cancer after Chernobyl. (*with* Egloff, B, Pinchera, A, Ruchti, C, Williams, D) *Scientific correspondence,* **359,** 21
Brawner, D A. Novel field-induced asymmetry in the remanent magnetization of the superconductor YBa.Cu.O., (*with* Ong, N P, Wang, Z Z) *Letter to Nature,* **358,** 567
Bray, D. *Book review by* Mitchison, T J. **357,** 32
Bray, W. Archaeology: Under the skin of Nazca. *News and views,* **358,** 19
Brazier, K T S. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Breed, M D. Do simple rules apply in honey-bee nestmate discrimination?. (*with* Julian, G E) *Letter to Nature,* **357,** 685
Breeden, L. *See under* Lowndes, N F., **357,** 505
Breeveld, E R. *See under* Cooke, B A., **355,** 61
Breeze, A L. *See under* Booker, G W., **358,** 684
Breier, G. *See under* Plate, K H., **359,** 845
Breitburd, F. *See under* Han, R., **356,** 66
Brennan, F E. *See under* Foster, J W., **359,** 531
Bresnier, M B. *See under* Porcelli, S., **360,** 593
Bresnier, S. **358,** 27
Journal review of Current biology. (*Edited by* Newmark, P) **359,** 437
Breuninkmeijer, C A M. Interhemispheric asymmetry in OH abundance inferred from measurements of atmospheric ^{14}CO. (*with* Manning, M R, Lowe, D C, Wallace, G, Sparks, R J, Volz-Thomas, A) *Letter to Nature,* **356,** 50
Breslow, R. Breslow replies to criticism. *Scientific correspondence,* **360,** 23
Bricogne, G. *See under* Dong, W., **355,** 605
Briggs, D E G. . *Book review by* Palmer, D. **357,** 453
Brigham, J J. Altered food. *Correspondence,* **360,** 101
Brill, R W. *See under* Holland, K N., **358,** 410
Brini, M. *See under* Rizzuto, R., **358,** 325; *correction,* **360,** 768
Brix, O. *See under* Giardina, B., **355,** 777
Broach, J R. . *Book review by* Wilkie, D. **357,** 206
Broad, W L. *Book review by* Ritson, D M. **356,** 627
Broadhurst, T J. Faint galaxies: evolution and cosmological curvature. (*with* Ellis, R S, Glazebrook, K) *Letter to Nature,* **355,** 55
Brock, M N. *See under* Bhat, P N., **359,** 217
See under Meegan, C A., **355,** 143
Brodbeck, D. *See under* Overney, R M., **359,** 133
Broecker, W. *See under* Bond, G., **360,** 245
Broecker, W S. Interhemispheric transport of carbon dioxide by ocean circulation. (*with* Peng, T-H) *Letter to Nature,* **356,** 587
See under Lao, Y., **357,** 576
Upset for Milankovitch theory. *News and views,* **359,** 779
Global change: diminishing oxygen. (*with* Severinghaus, J P) *News and views,* **358,** 710
Bromberg, J F. *See under* Swaffield, J C., **357,** 698; *Erratum,* **360,** 768
Bronson, R T. *See under* Jacks, T., **359,** 295
Brook, J D. *See under* Harley, H G., **355,** 545
Brook, R J. *See under* Riedel, R., **355,** 714
Brooke, J H. *Book review by* Temperley, H N V. **359,** 685
Brookfield, J. Interpreting DNA fingerprints. *Scientific correspondence,* **356,** 483
DNA profiling: Law and probabilities. *News and views,* **355,** 207
Brooks, M W. *See under* Amati, B., **359,** 423
Brookshaw, L. *See under* Tavani, M., **356,** 320
Brophy, P. *See under* Schneider, A., **358,** 758
Brosius, J. . *Book review by* Hardy, J. **356,** 670
Brouckaert, P G G. Colcy's vaccine and TNF therapy. (*with* Fiers, W, Lejeune, F J) *Scientific correspondence,* **358,** 630
Brown, A. *See under* Oliver, S G., **357,** 38
Brown, A H D. . *Book review by* Myers, N. **358,** 200
Brown, A J P. *See under* Oliver, S G., **357,** 38
Brown, A R. *See under* Burn, P L., **356,** 47
Brown, C R. *See under* Ashwell, G J., **357,** 393
Brown, E G. Coping with toxic pulses. *Correspondence,* **360,** 9
Brown, J L. Parent-offspring conflict. *Scientific correspondence,* **359,** 24
Brown, P R. *See under* Zhuang, G., **355,** 537
Brown, R. Recognizing good work. *Correspondence,* **358,** 534
Brown, R H. *Book review by* Jones, R V, **356,** 299
Brown, S S. *See under* Lillie, S H., **356,** 358
Brownlee, D E. *See under* Lawler, M E., **359,** 810
Brownlie, P D. *See under* Louie, G V., **359,** 33
Brownridge, J D. Pyroelectric X-ray generator. *Scientific correspondence,* **358,** 287
Brownstein, M J. *See under* Kimura, T., **356,** 526
See under Morel, A., **356,** 523
See under Kimura, T., **357,** 176
See under Lolait, S J., **357,** 336
Bruggs, J. . *Book review by* Cairns, J. **357,** 452
See under Rozakis-Adcock, M., **360,** 689
Bruhn, J N. *See under* Smith, M L., **356,** 428
Brunet, L J. *See under* Stewart, C L., **359,** 76
Brunton, J L. *See under* Stein, P E., **355,** 748
Bruzik, J P. Spliced leader RNAs from lower eukaryotes are *trans*-spliced in mammalian cells, (*with* Maniatis, T) *Letter to Nature,* **360,** 692
Bryan, T M. *See under* Powell, S M., **359,** 235
Bryant, D A. The origin of high-energy cosmic rays, (*with* Powell, G I, Perry, C H) *Letter to Nature,* **356,** 582
High-energy cosmic-ray origin. (*with* Powell, G I, Perry, C H) *Scientific correspondence,* **359,** 23
Bryant, E A. *Book review by* Perry, A H. **356,** 119
Bryant, P E. *Book review of* Terman's kids: The groundbreaking study of how the gifted grow up (*by* Shurkin, J N) **358,** 634
Developmental psychology: Arithmetic in the cradle. *News and views,* **358,** 712
Brzoska, J B. Evidence of a transition temperature for the optimum deposition of grafted monolayer coatings. (*with* Shahidzadeh, N, Rondelez, F) *Letter to Nature,* **360,** 719
Brünger, A T. Free *R* value: a novel statistical quantity for assessing the accuracy of crystal structures. *Letter to Nature,* **355,** 472
Buchner, J. *See under* Wiech, H., **358,** 169
Buchwald, M. *See under* Strathdee, C A., **356,** 763
See under Strathdee, C A., **358,** 434
Buck, D W. *See under* Davis, S J., **358,** 76
Buck, M. Specific binding of the transcription factor sigma-54 to promoter DNA. (*with* Cannon, W) *Letter to Nature,* **358,** 422
Buck, W R. *See under* Bell, R E., **357,** 583
Buckingham, M J. Imaging the ocean with ambient noise. (*with* Berkhout, B V, Glegg, S A L) *Letter to Nature,* **356,** 327
Buckler, A J. *See under* Harley, H G., **355,** 545
Buckley, P T. *See under* Sturges, W T., **358,** 660
Buckminster Fuller, R. *Book review by* Stewart, I. **356,** 633
Budiansky, S. *Book review by* Dawkins, M S. **356,** 487
Bücler, H. Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein, (*with* Fischer, M, Lang, Y, Bluethmann, H, Lipp, H-P, DeArmond, S J, Prusiner, S B, Aguet, M, Weissmann, C) *Article,* **356,** 577
Buesseler, K O. *See under* Moran, S B., **359,** 221
Buffett, B A. Analytical model for solidification of the Earth's core, (*with* Huppert, H E, Lister, J R, Woods, A W) *Letter to Nature,* **356,** 329
Buhler, J M. *See under* Oliver, S G., **357,** 38
Buldyrev, S V. *See under* Peng, C-K., **356,** 168
Bull, H G. *See under* Thornberry, N A., **356,** 768
Bull, W B. *Book review by* Goudie, A S. **358,** 382
Bullard, S. *See under* Malone, R E., **359,** 154
Bullough, W A. *See under* Whittle, M., **358,** 373
Bunzow, J R. *See under* Van Tol, H H M., **358,** 149
Burbank, D W. Causes of recent Himalayan uplift deduced from deposited patterns in the Ganges basin. *Letter to Nature,* **357,** 680
Geomorphology: Characteristic size of relief. *News and views,* **359,** 483
Burbidge, G. *See under* Arp, H C., **357,** 287
Burch, R. **356,** 671
Burdon, J J. *See under* Thompson, J N., **360,** 121
Burger, A. *Journal review by* James, K., **359,** 458
Burgering, B M Th. *See under* de Vries-Smits, A M M., **357,** 602
Burggraaf, A J. *See under* Kumar, K-N P., **358,** 48
Bürglin, T R. Introns in sequence tags. (*with* Barnes, T M) *Scientific correspondence,* **357,** 367
See under Miller, D M., **355,** 841
Burgoyne, R D. *See under* Morgan, A., **355,** 833
Burke, T. *See under* Kempenaers, B., **357,** 494
Molecular ecology: Small, green and different. *News and views,* **355,** 775
Burkholder, J-A M. New 'phantom' dinoflagellate is the causative agent of major estuarine fish kills, (*with* Noga, E J, Hobbs, C H, Glasgow Jr, H B) *Letter to Nature,* **358,** 407; *Correction,* **360,** 768
Burley, S K. *See under* Nikolov, D B., **360,** 40
See under Kuriyan, J., **359,** 476
Burn, P L. Chemical tuning of electroluminescent copolymers to improve emission efficiencies and allow patterning. (*with* Holmes, A B, Kraft, A, Bradley, D D C, Brown, A R, Friend, R H, Gymer, R W) *Letter to Nature,* **356,** 47
Burnett, J. *See under* McArthur, J M., **355,** 28
Burnett, V. *See under* Jones, K C., **356,** 137
Burns, G. *Book review by* Rose-Innes, A C. **357,** 552
Burr, D. Italian university structure. *Correspondence,* **357,** 273
Burroughs, A K. Molecular mimicry in liver disease, (*with* Butler, P, Sternberg, M J E, Baum, H) *Scientific correspondence,* **358,** 377
Burrows, R. Rabies in wild dogs. *Scientific correspondence,* **359,** 277
Bursik, M I. Curved saplings at Mount St Helens, (*with* Woods, A W) *Scientific correspondence,* **355,** 594
Burstein, D. Optical thickness of galaxies: Reply, (*with* Haynes, M P, Faber, S M) *Scientific correspondence,* **356,** 114
Burton, D R. Antibodies from libraries, (*with* Barbas, C F III) *Scientific correspondence,* **359,** 782
See under Duchosal, M A., **355,** 258
Burton, K W. The timing of mineral growth across a regional metamorphic sequence, (*with* O'Nions, R K) *Letter to Nature,* **357,** 235
Burton, Z F. *See under* Finkelstein, A., **355,** 464
Buss, L W. *See under* Cunningham, C W., **355,** 539
Bussmann-Holder, A. Ferroelectricity in oxides, (*with* Büttner, H) *Scientific correspondence,* **360,** 541
Bussoletti, E. *See under* Pacini, F., **359,** 10
Busson, P. Misunderstanding. *Correspondence,* **355,** 490
Bustelo, X R. Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, (*with* Ledbetter, J A, Barbacid, M) *Letter to Nature,* **356,** 68
Butchart, N. *See under* Austin, J., **360,** 221
Butcher, G W. *See under* Powis, S J., **357,** 211
See under Momburg, F., **360,** 174
Butel, J S. *See under* Donehower, L A., **356,** 215
Butel, M O. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Butler, D. French increase ties with industry but researchers still face hurdles, *News,* **358,** 531
Science fares well in tight 1993 French budget, *News,* **359,** 568
Drastic changes called for in French space programme, *News,* **359,** 659
Verdict in French blood trial shames science, *News,* **359,** 764
Plant collections endangered in Eastern Europe and Russia, *News,* **360,** 201
French court upholds use of animals, fines activists for theft of baboons, *News,* **359,** 259
See under Anderson, C., **359,** 262
Butler, J H. A decrease in the growth rates of atmospheric halon concentrations, (*with* Elkins, J W, Hall, B D, Cummings, S O, Montzka, S A) *Letter to Nature,* **359,** 403
Butler, P. *See under* Burroughs, A K., **358,** 377
Butler, R F. *Book review by* Fuller, M. **358,** 382
Butterworth, D S. Science and sentimentality. *Commentary,* **357,** 532
Büttner, H. *See under* Bussmann-Holder, A., **360,** 541
Buxton, J. Detection of an unstable fragment of DNA specific to individuals with myotonic dystrophy, (*with* Shelbourne, P, Davies, J, Jones, C, Van Tongeren, T, Aslanidis, C, de Jong, P, Jansen, G, Anvret, M, Riley, B, Williamson, R, Johnson, K) *Letter to Nature,* **355,** 547
See under Aslanidis, C., **355,** 548
Byerlee, J D. *See under* Blanpied, M L., **358,** 574
Bykovetz, N. *See under* Yildirim, T., **360,** 568
Bynum, W F. *Book review of* Eugenics, human genetics and human failings: The eugenics society, its sources and its critics in Britain (*by* Mazumdar, P M H) **356,** 641
See under Heilbron, J L., **355,** 11
4ODSQ. (*with* Porter, R) *Correspondence,* **355,** 490
Byrne, J. Fetal tissue banks. *Correspondence,* **358,** 533
Byth, B C. *See under* Tinsley, J M., **360,** 591
Cabelli, D E. *See under* Getzoff, E D., **358,** 347
Caboche, M. *Journal review by* Rubery, P., **359,** 439
Cabut, E L. *See under* Johnson, N A., **358,** 751
Cachier, H. *See under* Valladas, H., **357,** 68
Cahalan, M. *See under* Osipchuk, Y., **359,** 241
Cahn, R W. Materials science: Missing atoms and melting. *News and views,* **356,** 108
Materials science: Metallic solid silicon. *News and views,* **357,** 645
Materials science: Nanostructures come of age. *News and views,* **359,** 591
Journal review of Advanced composite materials: The official journal of the Japan society of composite materials, (*Edited by* Miyairi, H) **359,** 456
Journal review of Composites engineering, (*Edited by* Hui, D) **359,** 456
Journal review of Diamond and related materials, (*Edited by* Messier, R) **359,** 456
Journal review of Journal of cluster science, (*Edited by* Adams, R D, Russell, D H, Teo, B K) **359,** 456
Journal review of Journal of inorganic and organometallic polymers, (*Edited by* Zeldin, M) **359,** 456
Crystal clusters. *Scientific correspondence,* **355,** 213
Cahoon, D R Jr. Seasonal distribution of African savanna fires, (*with* Stocks, B J, Levine, J S, Cofer, W R III, O'Neill, K P) *Letter to Nature,* **359,** 812
Cairns, J. **357,** 452
Calabi, F. *See under* Daga, A., **356,** 484
Calaycay, J R. *See under* Thornberry, N A., **356,** 768

Caldeira, K. Enhanced Cenozoic chemical weathering and the subduction of pelagic carbonate, *Letter to Nature*, **357,** 578
Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, (*with* Kasting, J F) *Letter to Nature*, **359,** 226
The life span of the biosphere revisited, (*with* Kasting, J F) *Letter to Nature*, **360,** 721
Mount Etna CO2 may affect climate, (*with* Rampino, M R) *Scientific correspondence*, **355,** 401
Calvert, P. Materials science: Strength in disunity, *News and views*, **357,** 365
Polymer science: Tender morsels for microbes, *News and views*, **360,** 535
Calvert, S E. Evidence from nitrogen isotope ratios for enhanced productivity during formation of eastern Mediterranean sapropels, (*with* Nielsen, B, Fontugne, M R) *Letter to Nature*, **359,** 223
Calvin, D. *See under* Shull, M M., **359,** 693
Cambien, F. Deletion polymorphism in the gene for angiotensin-converting enzyme is a potent risk factor for myocardial infarction, (*with* Poirier, O, Lecerf, L, Evans, A, Cambou, J-P, Arveiler, D, Luc, G, Bard, J-M, Bara, L, Ricard, S, Tiret, L, Amouyel, P, Alhenc-Gelas, F, Soubrier, F) *Letter to Nature*, **359,** 641
Cambillau, C. *See under* Martinez, C., **356,** 615
See under van Tilbeurgh, H., **359,** 159
Cambou, J-P. *See under* Cambien, F., **359,** 641
Cameron, A M. *See under* Ferris, C D., **356,** 350
Cameron, J. *See under* Zhang, X-k., **358,** 587
Cameron, K R. *See under* Nicholas, J., **355,** 362
Cammack, R. Biological electron transfer: Plug in a molecular diode, *News and views*, **356,** 288
Cammann, K. *Journal review by* Compton, R., **359,** 458
Cammarota, G. Identification of a CD4 binding site on the ß2 domain of HLA-DR molecules, (*with* Scheirle, A, Takacs, B, Doran, D M, Knorr, R, Bannwarth, W, Guardiola, J, Sinigaglia, F) *Letter to Nature*, **356,** 799
Campbell, D K. *Journal review by* Shlesinger, M., **359,** 453
Campbell, I D. *See under* Booker, G W., **358,** 684
Campbell, J A. *Book review of* Foundations of computer science (*by* Aho, A V) **359,** 206
Campbell, K P. *See under* Matsumura, K., **359,** 320
See under Matsumura, K., **360,** 588
See under Ibraghimov-Beskrovnaya, O., **355,** 696
Campbell, P N. *See under* Hopkins, S J., **356,** 373
Campbell, W H. *See under* Mellor, R B., **355,** 717
Campbell-Wilson, D. *See under* Staveley-Smith, L., **355,** 147
Camps, M. Isozyme-selective stimulation of phospholipase C-ß2 by G protein ßγ-subunits, (*with* Carozzi, A, Schnabel, P, Scheer, A, Parker, P J, Gierschik, P) *Letter to Nature*, **360,** 684
Cannon, C. *See under* Yednock, E A., **356,** 63
Cannon, V S. *See under* Purcell, S M., **360,** 404
Cannon, W. *See under* Buck, M., **358,** 422
Cano, E. Which histone kinase?, (*with* Barratt, M J, Mahadevan, L C) *Scientific correspondence*, **360,** 116
Cao, A. *See under* Aiuti, F., **356,** 188
Cao, L. Independent binding of the retinobiastoma protein and p107 to the transcription factor E2F, (*with* Faha, B, Dembski, M, Tsai, L-H, Harlow, E, Dyson, N) *Letter to Nature*, **355,** 176
Cao, Y. *See under* Gustafsson, G., **357,** 477
Caothien, R H. *See under* Duchosal, M A., **355,** 258
Capasso, F. Observation of an electronic bound state above a potential well, (*with* Sirtori, C, Faist, J, Sivco, D L, Chu, S-N G, Cho, A Y) *Letter to Nature*, **358,** 565
Capecchi, M R. *See under* Chisaka, O., **355,** 516
Caraveo, P A. *See under* Bignami, G F., **357,** 287
Carbon, J. *See under* Hyman, A A., **359,** 533
Carcano, C. *See under* Oliver, S G., **357,** 38
Cardellichio, C B. *See under* Yeager, C L., **357,** 420
Carey, M. *See under* Marmorstein, R., **356,** 408
Carignani, G. *See under* Oliver, S G., **357,** 38
Carlisle, D B. Diamonds at the K/T boundary, *Scientific correspondence*, **357,** 119
Carlson, A. *See under* Ferguson-Smith, M A., **355,** 10
Carlson, B E. *See under* Lacis, A A., **360,** 297
Carlson, P. *See under* Koudelka, G B., **355,** 89
Carlson, R W. Flood basalts: Melting of wet lithosphere, *News and views*, **358,** 20
See under Ellam, R M., **359,** 718
Magma composition: A matter of give and take, *News and views*, **359,** 16
Carlson, W B. *Book review by* Hackmann, W, **356,** 631
Carman, G J. Three-dimensional illusory contours and surfaces, (*with* Welch, L) *Letter to Nature*, **360,** 585
Carmody, J. No access, *Correspondence*, **358,** 184
Caron, L. *See under* Haughn, L., **358,** 328
Caron, M G. *See under* Inglese, J., **359,** 147
Carozzi, A. *See under* Camps, M., **360,** 684
Carpenter, C C J. *Book review by* Cox, F E G, **359,** 114
Carr, A M. Checkpoint policing by p53, (*with* Green, M H L, Lehmann, A R) *Scientific correspondence*, **359,** 486
Carrano, A V. *See under* Aslanidis, C., **355,** 548
Carrell, R W. *See under* Lomas, D A., **357,** 605
Carrier, D R. *See under* Swartz, S M., **359,** 726
Carroll, P. *See under* Sendtner, M., **358,** 502
See under Sendtner, M., **360,** 541
Carson, H L. Evolutionary biology: The Galapagos that were, *News and views*, **355,** 202
Carter, B J. *See under* Egan, M., **358,** 581
Carter, D C. *See under* He, X M., **358,** 209
Carter, J B. Motes and beams, *Correspondence*, **358,** 618
Carter, M K. *See under* Lindsey, C., **358,** 308
Casano, F J. *See under* Thornberry, N A., **356,** 768
Casares, J. *See under* Martin, E L., **358,** 129
A 6.5-day periodicity in the recurrent nova V404 Cygni implying the presence of a black hole, (*with* Charles, P A, Naylor, T) *Letter to Nature*, **355,** 614
Casey, P. Visual differences, *News and views*, **359,** 671
Casey, W H. Geochemistry: A better mousetrap, *News and views*, **358,** 283
Control of dissolution rates of orthosilicate minerals by divalent metal-oxygen bonds, (*with* Westrich, H R) *Letter to Nature*, **355,** 157
Caspar, D L D. *See under* Griffith, J P., **355,** 652
Casteels, R. *See under* Missiaen, L., **357,** 599
Casti, J L. *Book review by* May, R M, **358,** 293
Castoldi, G. *See under* Baccarani, M., **356,** 188
Cattini, C. *See under* Readman, J W., **358,** 662
Caux, C. GM-CSF and TNF-α cooperate in the generation of dendritic Langerhans cells, (*with* Dezutter-Dambuyant, C, Schmitt, D, Banchereau, J) *Letter to Nature*, **360,** 258
Cavaggioni, A. *See under* Böcskei, Z., **360,** 186
Cavalier-Smith, T. Bacteria and eukaryotes, *Scientific correspondence*, **356,** 570
Cavanee, W. *See under* Sidransky, D., **355,** 846
Cawley, M F. *See under* Punch, M., **358,** 477
Cazelles, B. How predictable is chaos?, (*with* Ferriere, R H) *Scientific correspondence*, **355,** 25
Cebrián, J. *See under* Duarte, C M., **356,** 190
Cebula, R. *See under* Hilsenrath, E., **358,** 131
Cech, T R. *See under* Pyle, A M., **358,** 123
Cederberg, H. *See under* Oliver, S G., **357,** 38
Cedergren-Zeppezauer, E S. Crystal structure of a dUTPase, (*with* Larsson, G, Nyman, P O, Dauter, Z, Wilson, K S) *Letter to Nature*, **355,** 740
Centola, M. *See under* Hyman, A A., **359,** 533
Cerami, A. *See under* Slater, A F G., **355,** 167
Cerroni, L. *See under* Giardina, B., **355,** 777
Cerundolo, V. *See under* Spies, T., **355,** 644
Chabrier, G. White dwarfs as quantum crystals, (*with* Ashcroft, N W, DeWitt, H E) *Letter to Nature*, **360,** 48
Chadwick, A V. *See under* Vessal, B., **356,** 504
Chael, M L. *See under* Ansari, A Z., **355,** 87
Chahine, M T. The hydrological cycle and its influence on climate, *Review article*, **359,** 373
Chamberlain, J W. *See under* Seong, R H., **356,** 718
Chamberlin, A R. *See under* Bain, J D., **356,** 537
Chambon, P. *See under* Lufkin, T., **359,** 835
Champion, B. *See under* Male, D., **358,** 632
Chan, T. *See under* Mareschal, M., **357,** 674
Chandrashekara, K. *See under* Sinha, A., **359,** 593
Chanet, R. *See under* Oliver, S G., **357,** 38
Chang, C-P. *See under* Lin, C., **360,** 765
Chang, C-Y. *See under* Lee, E Y-H P., **359,** 288
Chang, R K C. *See under* Holland, K N., **358,** 410
Changeux, J-P. *See under* Galzi, J-L., **359,** 500
Chantell, M. *See under* Punch, M., **358,** 477
Chaouch, M. *See under* Matsumura, K., **359,** 320
Chapman, C. Leeds inquiry, *Correspondence*, **358,** 617
Chapman, C R. *Journal review by* Melosh, H J., **359,** 459
Chapman, K T. *See under* Thornberry, N A., **356,** 768
Chapman, R A. Of animals and men, *Correspondence*, **357,** 187
Chapman, R D. *See under* Brandt, J C., **359,** 115
Chapman, S. The formation of binary and multiple star systems, (*with* Pongracic, H, Disney, M, Nelson, A, Turner, J, Whitworth, A) *Article*, **359,** 207
Charap, J M. **358,** 201
Charles, C D. Evidence from Southern Ocean sediments for the effect of North Atlantic deep-water flux on climate, (*with* Fairbanks, R G) *Article*, **355,** 416
Charles, P A. *See under* Martin, E L., **358,** 129
See under Cooke, B A., **355,** 61
See under Casares, J., **355,** 614
See under van Kerkwijk, M H., **355,** 703
Charlesworth, B. Evolutionary biology: New genes sweep clean, *News and views*, **356,** 475
See under Houle, D., **359,** 58
Charlson, R J. *See under* Anderson, T L., **357,** 105
Charron, D. *See under* Lafon, M., **358,** 507
Chartier-Harlin, M-C. *See under* Crawford, F., **356,** 390
Charudattan, R. *Journal review by* Sunderland, K., **359,** 450
Chau, P-L. Human rights, *Correspondence*, **360,** 292
Chavez, D P. *See under* Finkelstein, A., **355,** 464
Chee, M S. *See under* Littler, E., **358,** 160
Cheetham, A K. *See under* Morris, R E., **359,** 519
Chelikowsky, J R. *See under* Keskar, N R., **358,** 222
Chellappa, R. *Journal review by* Holburn, D., **359,** 454
Chelton, D. *See under* Morrow, R., **357,** 482
Chen, C. *See under* Aslanidis, C., **355,** 548
Chen, C-L. *See under* Tsong, T T., **355,** 328
Chen, H. Guiding and focusing neutron beams using capillary optics, (*with* Downing, R G, Mildner, D F R, Gibson, W M, Kumakhov, M A, Ponomarev, I Y, Gubarev, M V) *Letter to Nature*, **357,** 391
Chen, J. Projection domains of MAP2 and tau determine spacings between microtubules in dendrites and axons, (*with* Kanai, Y, Cowan, N J, Hirokawa, N) *Letter to Nature*, **360,** 674
Chen, L. Protein kinase C reduces Mg^{2+} block of NMDA-receptor channels as a mechanism of modulation, (*with* Huang, L-Y M) *Letter to Nature*, **356,** 521
See under Kuo, C J., **355,** 457
Chen, Z. *See under* Wang, G., **355,** 275
Chenevert, J. A yeast gene (*BEM1*) necessary for cell polarization whose product contains two SH3 domains, (*with* Corrado, K, Bender, A, Pringle, J, Herskowitz, I) *Letter to Nature*, **356,** 77
Cheng, K. *See under* Fujita, I., **360,** 343
Cheng, L. *See under* Resnick, J L., **359,** 550
Cheng, M. *See under* Geer, R., **355,** 152
Cheresh, D A. *Journal review of* Melanoma research, (*Edited by* Lejeune, F, Prota, G, Riley, P) **359,** 442
Chernin, A D. *See under* Bochkarev, N G., **355,** 384
Chernyak, L. *See under* Tauber, A I., **356,** 119
Cherry, M. South Africa: Report asks more for academic science, *News*, **356,** 9
South Africa: Budgets cut again, *News*, **356,** 278
South Africa: Beyond apartheid - on the cheap, *News*, **356,** 737
Cabinet shifts unlikely to help South African universities, *News*, **357,** 184
African National congress drafts blueprint for South African science, *News*, **358,** 611
Cherry, M L. **355,** 508
Chesebro, B. Spongiform encephalopathies: PrP and the scrapie agent, *News and views*, **356,** 560
Chevaldonné, P. ..and some even hotter, (*with* Desbruyères, D, Childress, J J) *Scientific correspondence*, **359,** 593
Chevalier, R A. A model for the radio brightness of the supernova remnant 1987A, *Letter to Nature*, **355,** 617
Supernova 1987A at five years of age, *Review article*, **355,** 691
Supernova 1987A: And still there is no pulsar, *News and Views*, **360,** 628
Chi, X. High-energy cosmic-ray origin, (*with* Dahanayake, C, Wdowczyk, J, Wolfendale, A W) *Scientific correspondence*, **359,** 22
Chibante, L P F. *See under* Ohno, T R., **355,** 401
Chicz, R M. Predominant naturally processed peptides bound to HLA-DR1 are derived from MHC-related molecules and are heterogeneous in size, (*with* Urban, R G, Lane, W S, Gorga, J C, Stern, L J, Vignali, D A A, Strominger, J L) *Letter to Nature*, **358,** 764
Chiesa, G. *See under* Lawn, R M., **360,** 670
Childress, J J. *See under* Chevaldonné, P., **359,** 593
Chin, J. *See under* Thornberry, N A., **356,** 768
Chisaka, O. Developmental defects of the ear, cranial nerves and hindbrain resulting from targeted disruption of the mouse homeobox gene *Hox-1.6*, (*with* Musci, T S, Capecchi, M R) *Article*, **355,** 516
Chisholm, S W. *See under* Urbach, E., **355,** 267
Cho, A Y. *See under* Capasso, F., **358,** 565
Choe, S. The crystal structure of diphtheria toxin, (*with* Bennett, M J, Fujii, G, Curmi, P M G, Kantardjieff, K A, Collier, R J, Eisenberg, D) *Article*, **357,** 216
Chopelas, A. *See under* Angel, R J., **358,** 322
Chorazy, M. *See under* Perera, F P., **360,** 256
Chothia, C. Proteins: One thousand families for the molecular biologist, *News and views*, **357,** 543
Chow, R H. Delay in vesicle fusion revealed by electrochemical monitoring of single secretory events in adrenal chromaffin cells, (*with* von Rüden, L, Neher, E) *Letter to Nature*, **356,** 60
Chrebet, G. *See under* Foor, F., **360,** 682
Christensen, A C. Fact and fiction in alignment, (*with* Henikoff, S) *Correspondence*, **358,** 271
Christeson, G L. *See under* Purdy, G M., **355,** 815
Christie, D M. Drowned islands downstream from the Galapagos hotspot imply extended speciation times, (*with* Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) *Letter to Nature*, **355,** 246
Chu, S-N G. *See under* Capasso, F., **358,** 565
Chua, L O. *Journal review by* Shlesinger, M., **359,** 453
Chua, N-H. *See under* Nikolov, D B., **360,** 40
Chuck, S L. Apolipoprotein B intermediates, (*with* Lingappa, V R) *Scientific correspondence*, **356,** 115
Chumakov, I. Continuum of overlapping clones spanning the entire human chromosome 21q, (*with* Rigault, P, Guillou, S, Ougen, P, Billaut, A, Guasconi, G, Gervy, P, LeGall, I, Soularue, P, Grinas, L, Bougueleret, L, Bellanné-Chantelot, C, Lacroix, B, Barillot, E, Gesnouin, P, Pook, S, Vaysseix, G, Frelat, G, Schmitz, A, Sambucy, J-L, Bosch, A, Estivill, X, Weissenbach, J, Vignal, A, Riethman, H, Cox, D, Patterson, D, Gardiner, K, Hattori, M, Sakaki, Y, Ichikawa, H, Ohki, M, Le Paslier, D, Heilig, R, Antonarakis, S, Cohen, D) *Article*, **359,** 380
Chung, J. *See under* Kuo, C J., **358,** 70
Church, G M. *See under* Wang, M X., **360,** 606
Church, J. *See under* Morrow, R., **357,** 482
Church, J A. *See under* Bindoff, N L., **357,** 59
Chyba, C. Endogenous production, exogenous delivery and impact-shock synthesis of organic molecules: an inventory for the origins of life, (*with* Sagan, C) *Review article*, **355,** 125
Chávez-Rivera, R. *See under* Cuarón, A D., **358,** 534
Cianetti, L C. *See under* Malicki, J., **358,** 345
Cicerone, R J. Global environmental engineering, (*with* Elliott, S, Turco, R P) *Commentary*, **356,** 472
Cichy, M A. *See under* Yildirim, T., **360,** 568

Cifelli, R. *See under* Godthelp, H., **356,** 514
Cipolla, C M. *Book review by* Davenport-Hines, R, **356,** 639
Ciruela, A. *See under* Powis, S J., **357,** 211
Citron, M. Mutation of the ß-amyloid precursor protein in familial Alzheimer's disease increases ß-protein production, (*with* Oltersdorf, T, Haass, C, McConlogue, L, Hung, A Y, Seubert, P, Vigo-Pelfrey, C, Lieberburg, I, Selkoe, D J) *Letter to Nature,* **360,** 672
Civelli, O. *See under* Van Tol, H H M., **358,** 149
Claeysens, M. *See under* Juy, M., **357,** 89
Clapham, D. *See under* Paulmichl, M., **356,** 238
Clapham, D E. *See under* Lückhoff, A., **355,** 356
Clark, A D. *See under* Arnold, E., **357,** 85
Clark, E A. *See under* Armitage, R J., **357,** 80
Clark, G. *Book review by* Gingerich, O, **358,** 381
Clark, P. *See under* Arnold, E., **357,** 85
Clark, S G. *C. elegans* cell-signalling gene *sem-5* encodes a protein with SH2 and SH3 domains, (*with* Stern, M J, Horvitz, H R) *Letter to Nature,* **356,** 340
Clark, S W. Centractin is an actin homologue associ with the centrosome, (*with* Meyer, D I) *Letter to Nature,* **359,** 247
Clark, T A. *See under* Lindsey, C., **358,** 308
Clark, W C. , *Book review by* Rosenzweig, C, **355,** 781
Clarke, A. Ocean circulation: Global warming, ocean cooling, *News and views,* **360,** 17
Clarke, A C. *Book review by* Regis, E, **360,** 373
Clarke, A R. *See under* Mombaerts, P., **360,** 225
See under Dorin, J R., **359,** 211
See under Mombaerts, P., **360,** 491
Requirement for a functional *Rb-1* gene in murine development, (*with* Robanus Maandag, E, van Roon, M, van der Lugt, N M T, van der Valk, M, Hooper, M L, Berns, A, te Riele, H) *Letter to Nature,* **359,** 328
Clarke, B C. *Journal review by* Wills, C., **359,** 438
Clarke, C. Stellar evolution: Stars arriving two by two, *News and views,* **357,** 197
Clasen, S. *See under* Bond, G., **360,** 245
Clausen, H B. *See under* Johnsen, S J., **359,** 311
Clavel, J. *See under* Reimers, D., **360,** 561
Claverie, J M. *See under* Prabhu, V V., **359,** 782
Clegg, A W. *See under* Phillips, J A., **360,** 137
Clemens, M. Tumorigenesis: Suppression with a difference, *News and views,* **360,** 210
Clemens, M J. British academic morale and pay, *Correspondence,* **356,** 280
Clement, B M. Evidence for dipolar fields during the Cobb Mountain geomagnetic polarity reversals, *Letter to Nature,* **358,** 405
Clementi, M E. *See under* Giardina, B., **355,** 777
Cleveland, D W. *See under* Joshi, H C., **356,** 80
See under Yen, T J., **359,** 536
Clifford, A. **355,** 218
Clifford, K N. *See under* Armitage, R J., **357,** 80
Clifton, H E. *See under* van Geen, A., **358,** 54
Clipstone, N A. Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, (*with* Crabtree, G R) *Letter to Nature,* **357,** 695
Close, A E. *See under* Wendorf, F., **359,** 721
Close, F. *Book review of* Cold fusion: The scientific fiasco of the century (*by* Huizenga, J R) **358,** 291
Clottes, J. *See under* Valladas, H., **357,** 68
Clutton-Brock, J. *Book review by* Cunningham, P, **359,** 279
Clutton-Brock, T H. Trial and error in the Highlands, (*with* Albon, S D) *Commentary,* **358,** 11
See under Grenfell, B T., **355,** 823
Clément, K. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Coadwell, W J. *See under* Powis, S J., **357,** 211
Coakley, J A. *See under* Anderson, T L., **357,** 105
Cobb, K E. *See under* Emini, E A., **355,** 728
Cocco, L. *See under* Martelli, A M., **358,** 242
Cochran, B. *See under* Sucheta, A., **356,** 361
Cockayne, D J H. *See under* McKenzie, D R., **355,** 622
Cocker, J H. *See under* Diffley, J F X., **357,** 169
Codd, G A. Fatal attraction to cyanobacteria?, (*with* Edwards, C, Beattie, K A, Barr, W M, Gunn, G J) *Scientific correspondence,* **359,** 110
Coe, M. **355,** 309
Coe, M D. *Book review by* Saunders, N J, **360,** 26
Coen, D M. *See under* Sullivan, V., **358,** 162
Cofer, W R III. *See under* Cahoon, D R Jr., **359,** 812
Coffin, J M. *See under* Huang, A S., **359,** 107
Coger, R. *See under* Rubinsky, B., **360,** 113
Coggeshall, R E. *See under* Woolf, C J., **355,** 75
Cohen, A S. *See under* Dia, A N., **356,** 786
Cohen, D. *See under* Froguel, Ph., **356,** 162
See under Vionnet, N., **356,** 721
See under Froguel, Ph., **357,** 607
See under Chumakov, I., **359,** 380
Cohen, J J. Death by superantigen: Reply, (*with* Duke, R C, Sellins, K S) *Scientific correspondence,* **355,** 212
Cohen, M A. *See under* Benner, S A., **359,** 781
Cohen, N. *See under* Steiner, J P., **358,** 584
Cohen, R E. Origin of ferroelectricity in perovskite oxides, *Letter to Nature,* **358,** 136
Cohen, R J. *Book review of* Astronomical masers (*by* Elitzur, M) **357,** 204
Colaneri, N. *See under* Gustafsson, G., **357,** 477
Cole, J. *Book review by* Marshall, J C, **356,** 636
Cole, S. *See under* Zhang, Y., **358,** 591
Coleman, M. *See under* Gluyas, J., **356,** 52
Coleman, R. *See under* Morrow, R., **357,** 482
Coles, G V. Occupational risks, *Correspondence,* **359,** 99
Colhoun, E A. Antarctic ice volume and contribution to sea-level fall at 20,000 yr BP from raised beaches, (*with* Mabin, M C G, Adamson, D A, Kirk, R M) *Letter to Nature,* **358,** 316
Colinvaux, P. *Book review of* Diversity and the tropical rainforest (*by* Terborgh, J) **356,** 625
Colles, W M. NASA on a tether, *Correspondence,* **359,** 472
Collier, R J. *See under* Choe, S., **357,** 216
Collin, H. *See under* Matsumura, K., **359,** 320
Collins, F S. *See under* Basu, T N., **356,** 713
Cystic fibrosis: A welcome animal model, (*with* Wilson, J M) *News and views,* **358,** 708
See under Wilson, J M., **359,** 195
Collins, H M. *Book review of* War in the age of intelligent machines (*by* De Landa, M) **356,** 205
Collins, W. *See under* Ramanathan, V., **357,** 649
Colls, J J. Disposal of SO_2 in sea water, *Scientific correspondence,* **357,** 547
Colodner, D C. Post-depositional mobility of platinum, iridium and rhenium in marine sediments, (*with* Boyle, E A, Edmond, J M, Thomson, J) *Letter to Nature,* **358,** 402
Colonna, M. *See under* Spies, T., **355,** 644
Colquhoun, D. *See under* Edwards, F A., **359,** 144
Colson, R O. Solubility of neutral nickel in silicate melts and implications for the Earth's siderophile element budget, *Letter to Nature,* **357,** 65
Compton, R. *Journal review of* Sensors and actuators B: Chemical, (*Edited by* Cammann, K, Middlehoek, S) **359,** 458
Condo, S G. *See under* Giardina, B., **355,** 777
Cone, J. , *Book review by* Smith, P J, **355,** 32
Conklin, B R. *See under* Federman, A D., **356,** 159
Conley, A J. *See under* Emini, E A., **355,** 728
Conley, P B. *See under* Kuo, C J., **355,** 457
Connolly, R C. Running in the family, *Correspondence,* **357,** 272
Offspring of scientists, *Correspondence,* **358,** 617
Connors, T A. *Journal review of* Toxicology methods, (*Edited by* Gad, S C) **359,** 449
Conrads-Strauch, J. *See under* Herbers, K., **356,** 172
Conroy, G C. *Otavipithecus namibiensis,* first Miocene hominoid from southern Africa, (*with* Pickford, M, Senut, B, Van Couvering, J, Mein, P) *Letter to Nature,* **356,** 144
Book review of Origins reconsidered: In search of what makes us human (*by* Leakey, R) **360,** 393
Constable, C. Link between geomagnetic reversal paths and secular variation of the field over the past 5 Myr, *Letter to Nature,* **358,** 230
Conti, P S. X-ray binaries: Optical signature of Cygnus X-3, *News and views,* **355,** 680
Contreras, R. *See under* Oliver, S G., **357,** 38
Cook, D L. Electrical bursting in islet ß cells, *Scientific correspondence,* **357,** 28
Cook, S. *See under* Lifton, R P., **355,** 262
Cooke, A. *See under* Male, D., **358,** 632
See under Baxter, A G., **359,** 194
Cooke, B A. Detection of a new white-dwarf binary system in the extreme ultraviolet using the Rosat Wide Field Camera, (*with* Barstow, M A, Breeveld, E R, Charles, P A, Goodall, C V, Gourlay, J A, Hassall, B J M, Huckle, H E, Kent, B J, Pye, J P, Richards, A G, Sims, M R, Sumner, T J, Watson, M G, Wells, A, Willingale, R, Wright, J S) *Letter to Nature,* **355,** 61
Cooke, J. Vertebrate development: Induction and all that, *News and views,* **358,** 111
Coombs, J. *Journal review by* Betts, W B., **359,** 462
Cooper, A P R. Take 100 lines, *Correspondence,* **358,** 365
Cooper, D R. *See under* Farese, R V., **360,** 305
Cooper, D W. *See under* Foster, J W., **359,** 531
Cooper, J B. *See under* Dhanaraj, V., **357,** 466
See under Louie, G V., **359,** 33
Copeland, N G. *See under* Watanabe-Fukunaga, R., **356,** 314
Journal review of Mammalian genome: official journal of the international mammalian genome society, (*Edited by* Silver, L M, Nadeau, J, Klein, J) **359,** 440
Corballis, M C. *Book review of* The left-hander syndrome: The causes and consequences of left-handedness (*by* Coren, S) **356,** 637
Book review by Morgan, M, **356,** 754
Corcoran, E. New head of NEC research institute in US hopes to change our view of computers, *News,* **360,** 97
Cordier, B. *See under* Mirabel, I F., **358,** 215
Coren, S. *Book review by* Corballis, M C, **356,** 637
Corliss, W R. *Book review by* Gonzalez-Crussi, F, **358,** 461
Corrado, K. *See under* Chenevert, J., **356,** 77
Cosman, D. *See under* Armitage, R J., **357,** 80
Cota, G F. *See under* Sturges, W T., **358,** 660
Coulet, P R. , *Book review by* Malan, G, **358,** 200
Coulon, P. *See under* Flamand, A., **360,** 115
Coulson, A. *See under* Sulston, J., **356,** 37
Courtillot, V. *See under* Valet, J-P., **356,** 400
See under Le Mouël, J L., **355,** 26
Coustel, N. *See under* Rotter, L D., **355,** 532
Covey, C. *See under* Hoffert, M I., **360,** 573
Cowan, N J. *See under* Chen, J., **360,** 674
Cowan, S W. Crystal structures explain functional properties of two *E. coli* porins, (*with* Schirmer, T, Rummel, G, Steiert, M, Ghosh, R, Pauptit, R A, Jansonius, J N, Rosenbusch, J P) *Article,* **358,** 727
Cowburn, D. *See under* Waksman, G., **358,** 646
Cowey, A. *See under* Bloom, F E., **358,** 184
Cowie, L L. Were small galaxies once the dominant cosmological population: Correction, (*with* Songalia, A, Hu, E M) *Letter to Nature,* **357,** 607
Cox, A N. , *Book review by* Zirker, J B, **357,** 552
Cox, D. *See under* Chumakov, I., **359,** 380
See under Stephens, P W., **355,** 331
See under Stephens, P W., **355,** 331
Cox, D E. *See under* Zhu, Q., **355,** 712
Cox, F E G, 359, 114
Malaria: Getting into the liver, *News and views,* **359,** 361
Malaria: Another route to a vaccine?, *News and views,* **360,** 417
Cox, N J. Mark Kac, *Correspondence,* **359,** 356
Coyle, J T. Cost of brain disorders, *Correspondence,* **358,** 184
Coyne, G V. *See under* Piirola, V., **359,** 399
Coyne, J A. **357,** 289
Genetics and speciation, *Review article,* **355,** 511
Cozart, P. *See under* Looker, D., **356,** 258
Crabtree, G R. *See under* Clipstone, N A., **357,** 695
See under Kuo, C J., **358,** 70
See under Kuo, C J., **355,** 457
Craig, A G. *See under* Roberts, D J., **357,** 689
Cram, D J. Molecular container compounds, *Review article,* **356,** 29
Crane, P R. *See under* Engel, J., **360,** 405
Crawford, A. *See under* Dando, P R., **356,** 667
Crawford, C L. Leprosy vaccine, *Correspondence,* **359,** 100
Crawford, D F. *See under* Staveley-Smith, L., **355,** 147
Crawford, E. Running in the family, (*with* Gilmore, D, James, W H) *Correspondence,* **357,** 272
Book review by Barkan, D, **358,** 116
Crawford, F. Alzheimer's - a correction, (*with* Chartier-Harlin, M-C, Mullan, M, Hardy, J, Delacourte, A, Arnott, G) *Scientific correspondence,* **356,** 390
Crawford, I A. Beyond the nation-state, *Correspondence,* **358,** 448
Crawford, M. *See under* Dando, P R., **356,** 667
Craxton, M. *See under* Sulston, J., **356,** 37
Creager, K C. Anisotropy of the inner core from differential travel times of the phases PKP and PKIKP, *Article,* **356,** 309
Creel, S. Cause of wild dog deaths, *Scientific correspondence,* **360,** 633
Creighton, T E. Protein folding: Up the kinetic pathway, *News and views,* **356,** 194
Crespi, B J. Eusociality in Australian gall thrips, *Letter to Nature,* **359,** 724
Cresswell, P. *See under* Wei, M L., **356,** 443
See under Arnold, D., **360,** 171
See under Riberdy, J M., **360,** 474
See under Spies, T., **355,** 644
Crews, D. *Book review of* Chemical communication: The language of pheromones (*by* Agosta, W G) **359,** 492
Crisp, D. *See under* Allen, D., **359,** 516
Crombie, I. *Journal review of* Mendeleev communications: Preliminary accounts of important new work in chemistry from Russia, other states of the commonwealth of independent..., (*Edited by* Nefedov, O M, Frey, H M) **359,** 457
Cronin, H. *Book review by* Hull, D L., **356,** 623
Crosland, M. *Book review of* The French Paracelsians: The chemical challenge to medical and scientific tradition in early modern France (*by* Debus, A G) **356,** 204
Book review by Gillispie, C C., **357,** 652
Cross, B. London zoo crippled, *Correspondence,* **358,** 102
Crossley, R. *See under* de Boer, P., **359,** 254
Crouzet, M. *See under* Oliver, S G., **357,** 38
Crow, J F. **357,** 31
Crow, S. *See under* Harley, H G., **355,** 545
Crowell, J A. *See under* Royden, C S., **360,** 583
Crutcher, K A. Fetal tissue, (*with* Everson, W) *Correspondence,* **357,** 432
Crutzen, P J. Ozone depletion: Ultraviolet on the increase, *News and views,* **356,** 104
See under Lelieveld, J., **357,** 607
See under Langner, J., **359,** 712
See under Lelieveld, J., **355,** 339
Cuarón, A D. Political views, (*with* Chávez-Rivera, R) *Correspondence,* **358,** 534
Cuddihy, J. *Journal review by* Sarkar, G., **359,** 447
Culbertson, C W. *See under* Oremland, R S., **356,** 421
Culbertson, M R. *See under* Ursic, D., **356,** 392
Cull-Candy, S G. *See under* Silver, R A., **355,** 163
Culliton, B J. Change in fraud review proposed, *News and views,* **356,** 191
Eat your broccoli (and brussels sprouts) , *News and views,* **356,** 377
Drug-resistant TB may bring epidemic, *News and views,* **356,** 473
NIH report vindicates Gallo on conduct of AIDS research, *News,* **357,** 3
OSI finds Popovic guilty on *Science* paper, *News,* **357,** 3
The OSI on Crewdson on Gallo, *News,* **357,** 4
'alala live on in Hawaiian forest, *News and views,* **357,** 277
Save the beaches, not the buildings, *News and views,* **357,** 535
Robert Gallo forced off NIH stage after HHS vetoes public briefing, *News,* **358,** 3
Optimistic, independent, aggressive: Texas shoots for the top in science, *Commentary,* **357,** 623
SW medical center, famous and favoured, is thriving, *Com-*

mentary, **357,** 627
San Antonio fills research park by making offers that scientists cannot refuse. *Commentary*, **357,** 631
Gallo and Popovic lawyers reply. *News and views*, **357,** 109
The mysterious virus called "isn't". *News and views*, **358,** 619
Disease-of-the-month alive and well. *News and views*, **360,** 13
NIH labours to maintain excellence despite tight budget and staffing. (*with* Anderson, C) *News*, **359,** 183
Ethics: Daniel Zagury cleared of misconduct charges. *News*, **355,** 286
Needed: Fetal tissue research. *News and views*, **355,** 295
Drug policy: FDA panel backs interleukin-2. *News*, **355,** 287
Computer policy: NIH wasted millions on computers. *News*, **355,** 194
University policy: Yale to cut departments. *News*, **355,** 288
Cumano, A. Bipotential precursors of B cells and macrophages in murine fetal liver. (*with* Paige, C J, Iscove, N N, Brady, G) *Letter to Nature*, **356,** 612
Cumming, P. No politics please. *Correspondence*, **357,** 432
Cummings, S O. *See under* Butler, J H., **359,** 403
Cunliffe, V. Ectopic mesoderm formation in *Xenopus* embryos caused by widespread expression of a *Brachyury* homologue. (*with* Smith, J C) *Letter to Nature*, **358,** 427
Cunningham, C W. Evolution of king crabs from hermit crab ancestors. (*with* Blackstone, N W, Buss, L W) *Letter to Nature*, **355,** 539
Cunningham, P. *Book review of* Horse power: A history of the horse and the donkey in human societies (*by* Clutton-Brock, J) **359,** 279
Curmi, P M G. *See under* Choe, S., **357,** 216
Curran, T. . *Book review by* Cairns, J. **357,** 452
Curry, W B. *See under* Slowey, N C., **358,** 665
Curtis, C F. Selfish genes in mosquitoes. *Scientific correspondence*, **357,** 450
Curtis, G. *See under* Hill, A., **358,** 290
See under Hill, A., **355,** 719
Cutler, D. Progress by poisoning. *News and views*, **359,** 773
Czernik, A J. *See under* Benfenati, F., **359,** 417
D'Agostini, F. *See under* De Flora, S., **356,** 569
D'Amico, N. *See under* Thompson, D J., **359,** 615
da-Silva, E O. *See under* Baldwin, C T., **355,** 637
Dabbagh, G. *See under* Rosseinsky, M J., **356,** 416
Daga, A. Leukaemia/*Drosophila* homology. (*with* Tighe, J E, Calabi, F) *Scientific correspondence*, **356,** 484
Dahanayake, C. *See under* Chi, X., **359,** 22
Dahl, A M. *See under* Foor, F., **360,** 682
Dahl, J. A new class of natural products revealed by β-alkyl steranes in petroleum. (*with* Moldowan, J M, McCaffrey, M A, Lipton, P A) *Letter to Nature*, **355,** 154
Dahl, P F. *Book review by* Shoenberg, D. **359,** 281
Daignan-Fornier, B. *See under* Oliver, S G., **357,** 38
Dalrymple, G B. *See under* Sharpton, V L., **359,** 819
Book review by Nisbet, E G, **360,** 390
Dalton, L R. Optical materials: Fresh start for photonics. *News and views*, **359,** 269
Dalton, S. *See under* Amati, B., **359,** 423
Daly, R. *See under* Rozakis-Adcock, M., **360,** 689
Dambly-Chaudière, C. *See under* Nottebohm, E., **359,** 829
Damour, T. *See under* Taylor, J H., **355,** 132
Damuth, J D. . *Book review by* Palmer, D. **360,** 426
Dan, Y. Quantal transmitter secretion from myocytes loaded with acetylcholine. (*with* Poo, M-m) *Letter to Nature*, **359,** 733
Danbolt, N C. *See under* Pines, G., **360,** 464
See under Pines, G., *Erratum*, **360,** 768
Dando, P R. Shipwrecked tube worms. (*with* Southward, A J, Southward, E C, Dixon, D R, Crawford, A, Crawford, M) *Scientific correspondence*, **356,** 667
Danley, D E. *See under* Dhanaraj, V., **357,** 466
See under Mottonen, J., **355,** 270
Dansgaard, W. *See under* Johnsen, S J., **359,** 311
Darnell, J E. *See under* Kuo, C J., **355,** 457
Das, S. Reactivation of an oceanic fracture by the Macquarie Ridge earthquake of 1989. *Letter to Nature*, **357,** 150
DasGupta, B R. *See under* Schiavo, G., **359,** 832
Dauter, Z. *See under* Cedergren-Zeppezauer, E S., **355,** 740
Davenport-Hines, R. *Book review of* Miasmas and disease: Public health and the environment in the pre-industrial age (*by* Cipolla, C M) **356,** 639
Book review of The fourth horseman: A short history of epidemics, plagues and other scourges (*by* Nikiforuk, A) **356,** 639
Book review of Marie Stopes and the sexual revolution (*by* Rose, J) **360,** 381
Davidenko, J M. Stationary and drifting spiral waves of excitation in isolated cardiac muscle. (*with* Pertsov, A V, Salomonsz, R, Baxter, W, Jalife, J) *Letter to Nature*, **355,** 349
Davidson, D. *See under* Molina, T J., **357,** 161
Davidson, I. Sheep count. *Correspondence*, **358,** 705
Language gap. (*with* Noble, W) *Scientific correspondence*, **355,** 403
Davidson, J A. *See under* Glew, S S., **356,** 22
Davies, G R. *See under* Halliday, A N., **359,** 623
Davies, H C. *See under* Appenzeller, C., **358,** 570
Davies, J. *See under* Buxton, J., **355,** 547
Davies, K. Nature Genetics: Message in a bottle. *News and views*, **360,** 90
Nature Genetics: Mulling over mouse models. *News and views*, **359,** 86
Nature Genetics: Diabetes defect defined. *News and views*, **359,** 434
Diabetes defect defined. *Miscellany*, **359,** 434
Nature Genetics: Imprinting and splicing join together. *News and views*, **360,** 492
Davies, K E. Human genetics: The costs of instability. *News and views*, **356,** 15
See under Tinsley, J M., **360,** 591
Davies, K L. *See under* Edwards, D., **357,** 683
Davies, P. *Book review by* Price, H. **356,** 632
Book review by Price, H, **356,** 632
Davies, R D. *See under* Watson, R A., **357,** 660
Davies, R E. Misquoted. *Correspondence*, **360,** 99
Davies, K. Moving straight to the target. *News and views*, **358,** 519
Davis, A A. *See under* Fuhrman, J A., **356,** 148
Davis, B D. . *Book review by* Fincham, J R S. **356,** 203
Davis, C A. *See under* McKenzie, D R., **355,** 622
Davis, D. *See under* Seubert, P., **359,** 325
Davis, D W. *See under* Robb, L J., **357,** 677
Davis, M. The end of cold dark matter?. (*with* Efstathiou, G, Frenk, C S, White, S D M) *Review article*, **356,** 489
See under Sullivan, V., **358,** 162
Large-scale structure in a universe with mixed hot and cold dark matter. (*with* Summers, F J, Schlegel, D) *Letter to Nature*, **359,** 393
Davis, M M. *See under* Jorgensen, J L., **355,** 224
Davis, P G. **355,** 218
Davis, S J. Antibody and HIV-1 gp120 recognition of CD4 undermines the concept of mimicry between antibodies and receptors. (*with* Schockmel, G A, Somoza, C, Buck, D W, Healey, D G, Rieber, E P, Reiter, C, Williams, A F) *Letter to Nature*, **358,** 76
See under Jones, E Y., **360,** 232
Davis-Smith, T. *See under* Armitage, R J., **357,** 80
Davoust, E. Is anybody there?. *Correspondence*, **355,** 581
Davoust, J. *See under* Amigorena, S., **358,** 337
Dawkins, M S. *Book review of* The covenant of the wild: Why animals choose domestication (*by* Budiansky, S) **356,** 487
Dawkins, R. *See under* Hurst, L D., **357,** 198
Book review of Artificial Life: The Quest for a New Creation (*by* Levy, S) **360,** 25
Dawson, C W. *See under* Li, Q X., **356,** 347
Dawson, J B. *See under* Kinny, P D., **360,** 726
Dawson, M I. *See under* Zhang, X-k., **358,** 587
Dawson, T M. *See under* Steiner, J P., **358,** 584
Day, J. *See under* Harris, L J., **360,** 369
Dayis, B D. Of animals and men. *Correspondence*, **357,** 187
De Beuckeleer, M. *See under* Mariani, C., **357,** 384
De Block, M. *See under* Mariani, C., **357,** 384
de Boer, P. The essential bacterial cell-division protein FtsZ is a GTPase. (*with* Crossley, R, Rothfield, L) *Letter to Nature*, **359,** 254
De Felipe, J. . *Book review by* Young, J Z. **356,** 624
De Flora, S. Halogen lamp carcinogenicity. (*with* D'Agostini, F) *Scientific correspondence*, **356,** 569
De Geus, P. *See under* Martinez, C., **356,** 615
De Greef, W. *See under* Mariani, C., **357,** 384
de Groot, M J H. Observation of gradual brightening of P Cygni due to stellar evolution. (*with* Lamers, H J G L M) *Letter to Nature*, **355,** 422
de Guzman, L I. *See under* Rinderer, T E., **360,** 305
de Haan, M. *See under* Oliver, S G., **357,** 38
de Jong, P. *See under* Delattre, O., **359,** 162
See under Buxton, J., **355,** 547
de Jong, P J. *See under* Aslanidis, C., **355,** 548
de la Chapelle, A. *See under* Ferguson-Smith, M A., **355,** 10
de la Mothe, J. *Book review of* Cardinal choices: Presidential science advising from the atomic bomb to SDI (*by* Herken, G) **359,** 26
Book review by Gratzer, W, **360,** 385
De Landa, M. *Book review by* Collins, H M, **356,** 205
de Loore, C W H. *Book review by* Taylor, R J, **360,** 120
De Maeyer, M. *See under* Desmet, J., **356,** 539
De Marchi, G. *See under* Paresce, F., **360,** 46
de Ronde, C E J. *See under* de Wit, M J., **357,** 553
De Smedt, H. *See under* Missiaen, L., **357,** 599
de St Groth, B F. *See under* Jorgensen, J L., **355,** 224
de Vernal, A. *See under* Miller, G H., **355,** 244
de Vries, M S. *See under* Johnson, R D., **355,** 239
de Vries-Smits, A M M. Involvement of $p21^{ras}$ in activation of extracellular signal-regulated kinase 2. (*with* Burgering, B M Th, Leevers, S J, Marshall, C J, Bos, J L) *Letter to Nature*, **357,** 602
de Wit, M J. Formation of an Archaean continent. (*with* Roering, C, Hart, R J, Armstrong, R A, de Ronde, C E J, Green, R W E, Tredoux, M, Peberdy, E, Hart, R A) *Review article*, **357,** 553
Dealwis, C G. *See under* Dhanaraj, V., **357,** 466
Dean, D. Second gorilla or third chimp?. (*with* Delson, E) *News and views*, **359,** 676
Dean, D C. *See under* Weintraub, S J., **358,** 259
Dean, D R. *Book review by* Rudwick, M. **360,** 392
Dear, S. *See under* Sulston, J., **356,** 37
DeArmond, S J. *See under* Büeler, H., **356,** 577
Deary, I J. *Book review of* Intelligence and development: A cognitive theory (*by* Anderson, M) **359,** 28
DeBiasio, R. *See under* Hahn, K., **359,** 736
Debus, A G. *Book review by* Crosland, M. **356,** 204
Decker, R W. . *Book review by* Fink, J. **355,** 688
Deeb, S S. *See under* Windercikx, J., **356,** 431
Defant, M J. *See under* Maury, R C., **360,** 661
Defoor, E. *See under* Oliver, S G., **357,** 38
DeFranco, A L. Autoimmunity: Hidden lymphocytes. *News and views*, **357,** 14
How do B-1 cells originate?. *News and views*, **357,** 14
DeHart, J M. *See under* Sears, D W G., **357,** 207
Deino, A. *See under* Hill, A., **358,** 290
See under Hill, A., **355,** 719
DeKeyser, J-L. *See under* Simons, M., **359,** 67
Del Genio, A D. *See under* Fu, R., **358,** 394
Del Rosario, M. *See under* Peters, K G., **358,** 678
Delacourte, A. *See under* Crawford, F., **356,** 390
Delaney, P T. Volcanoes: You can pile it only so high. *News and views*, **357,** 194
Delatorre, J. *See under* Ehleringer, J R., **359,** 316
Delattre, O. Gene fusion with an ETS DNA-binding domain caused by chromosome translocation in human tumours. (*with* Zucman, J, Plougastel, B, Desmaze, C, Melot, T, Peter, M, Kovar, H, Joubert, I, de Jong, P, Rouleau, G, Aurias, A, Thomas, G) *Letter to Nature*, **359,** 162
Delgado, M. *See under* Oliver, S G., **357,** 38
Delmas, B. Aminopeptidase N is a major receptor for the enteropathogenic coronavirus TGEV. (*with* Gelfi, J, L'Haridon, R, Vogel, L K, Sjöström, H, Norén, O, Laude, H) *Letter to Nature*, **357,** 417
Delson, E. *See under* Dean, D., **359,** 676
Book review of Koobi Fora research project. Volume 4: Hominid cranial remains (*by* Wood, B) **360,** 544
Delves, P J. . *Book review by* Rosen, F S. **358,** 463
DeMars, R. *See under* Malnati, M S., **357,** 702
See under Spies, T., **355,** 644
Dembski, M. *See under* Cao, L., **355,** 176
Demidchik, E P. *See under* Kazakov, V S., **359,** 21
Demolder, J. *See under* Oliver, S G., **357,** 38
Deng, F-L. Proterozoic depletion of the lithosphere recorded in mantle xenoliths from Inner Mongolia. (*with* Macdougall, J D) *Letter to Nature*, **360,** 333
Dennett, D C. *Book review by* Shallice, T. **356,** 26
Denning, G M. Processing of mutant cystic fibrosis transmembrane conductance regulator is temperature-sensitive. (*with* Anderson, M P, Amara, J F, Marshall, J, Smith, A E, Welsh, M J) *Letter to Nature*, **358,** 761
Dennis, L. *Journal review by* Rubery, P., **359,** 439
Dennis, T J. *See under* Taylor, R., **355,** 27
Derkach, V. *See under* Evans, R J., **357,** 503
Dermer, C D. *See under* Michel, F C., **356,** 483
See under Li, H., **359,** 514
DeRosier, D J. Enzyme complexes: A farewell to arms. *News and views*, **357,** 196
Derrick, J P. Crystal structure of a streptococcal protein G domain bound to an Fab fragment. (*with* Wigley, D B) *Letter to Nature*, **359,** 752
Des Marais, D J. Carbon isotope evidence for the stepwise oxidation of the Proterozoic environment. (*with* Strauss, H, Summons, R E, Hayes, J M) *Article*, **359,** 605
Desbruyères, D. *See under* Chevaldonné, P., **359,** 593
Deshler, T. *See under* Hofmann, D J., **359,** 283
Desmaze, C. *See under* Delattre, O., **359,** 162
Desmet, J. The dead-end elimination theorem and its use in protein side-chain positioning. (*with* De Maeyer, M, Hazes, B, Lasters, I) *Letter to Nature*, **356,** 539
Desmond, A. . *Book review by* Gould, S J. **355,** 215
Desmyter, J. *See under* Goubau, P., **359,** 201
Desowitz, R S. *Book review by* Goodwin, L. **356,** 300
Determann, J. *See under* Oerter, H., **358,** 399
Deuser, W G. *See under* Asper, V L., **357,** 670
Deutsch, A. *See under* Langenhorst, F., **356,** 507
Deutsch, D H. Brownian motion. *Correspondence*, **357,** 354
Deutsch, J C. Olfactory cues influence female choice in two lek-breeding antelopes. (*with* Nefdt, R J C) *Letter to Nature*, **356,** 596
Deverson, E V. *See under* Powis, S J., **357,** 211
Devillers-Thiéry, A. *See under* Galzi, J-L., **359,** 500
DeVit, M. *See under* Tang, D-c., **356,** 152
DeVivo, I. *See under* Perera, F P., **360,** 256
Devoret, M H. Single-electron transfer in metallic nanostructures. (*with* Esteve, D, Urbina, C) *Review article*, **360,** 547
DeWitt, H E. *See under* Chabrier, G., **360,** 48
Dexter, T M. Haematopoeisi: Multipotent stem cells. *News and views*, **360,** 709
Dezutter-Dambuyant, C. *See under* Caux, C., **360,** 258
Dhanaraj, V. X-ray analyses of peptide-inhibitor complexes define the structural basis of specificity for human and mouse renins. (*with* Dealwis, C G, Frazao, C, Badasso, M, Sibanda, B L, Tickle, I J, Cooper, J B, Driessen, H P C, Newman, M, Aguilar, C, Wood, S P, Blundell, T L, Hobart, P M, Geoghegan, K F, Ammirati, M J, Danley, D E, O'Connor, B A, Hoover, D J) *Article*, **357,** 466
Dhondt, A A. *See under* Kempenaers, B., **357,** 494
Dia, A N. Seawater Sr isotope variation over the past 300 kyr and influence of global climate cycles. (*with* Cohen, A S, O'Nions, R K, Shackleton, N J) *Letter to Nature*, **356,** 786
Diamond, J M. Human evolution: Diabetes running wild. *News and views*, **357,** 362
Chemical ecology: Rubbish birds are poisonous. *News and views*, **360,** 19
Palaeontology: Twilight of the pygmy hippos. *News and views*, **359,** 15
Evolutionary physiology: The red flag of optimality. *News*

and views, **355**, 204
Botany: Horrible plant species, *News and views*, **360**, 627
Diaz, M. *See under* Valverde, M A., **355**, 830
Dib, C. *See under* Weissenbach, J., **359**, 794
Dick, H J B. *See under* Kelemen, P B., **358**, 635
Dickey, C. *See under* Perera, F P., **360**, 256
Dickey, J O. Global propagation of interannual fluctuations in atmospheric angular momentum, (*with* Marcus, S L, Hide, R) *Letter to Nature*, **357**, 484
Dickinson, E S. *See under* Vazeux, R., **360**, 485
Dickinson, P. *See under* Dorin, J R., **359**, 211
Dickman, S R. Geophysics: Preserving a sense of direction, *News and views*, **360**, 421
Dickson, B. Raf functions downstream of Ras1 in the Sevenless signal transduction pathway, (*with* Sprenger, F, Morrison, D. I'afen, E) *Letter to Nature*, **360**, 600
Dickson, D. Britain prepares to leave European fast-breeder reactor programme, (*with* Abbott, A) *News*, **360**, 93
UK science budget to grow despite economic woes and cap on salaries, *News*, **360**, 197
See under Maddox, J., **360**, 509
Didymus, J M. *See under* Young, J R., **356**, 516
Diebold, G J. *See under* Sun, T., **355**, 806
Dieboid, R J. *See under* Shull, M M., **359**, 693
Diederich, F. *See under* Yeretzian, C., **359**, 44
Diekmann, S. *See under* Melior, R B., **355**, 717
Dierich, M P. *See under* Allerberger, F., **357**, 531
Diffley, J F X. Protein-DNA interactions at a yeast replication origin, (*with* Cocker, J H) *Letter to Nature*, **357**, 169
Dikic, I. Plight of Bosnia and Croatia, *Correspondence*, **359**, 571
Dillon, N. *See under* Berry, M., **358**, 499
Dillon, P J. *See under* Kirchner, J W., **358**, 478
DiMichele, W A., *Book review by* Palmer, D. **360**, 426
DiNardo, S. *See under* Dougan, S., **360**, 347
Ding, G J-F. *See under* Thornberry, N A., **356**, 768
Ding, J. *See under* Arnold, E., **357**, 85
Dingeon, B. Sex testing at the Olympics, (*with* Hamon, P, Robert, M, Schamasch, P, Pugeat, M) *Correspondence*, **358**, 447
Dinsmore, C E., *Book review by* Mittwoch, U. **356**, 671
Dionne, C A. *See under* Mohammadi, M., **358**, 681
Dirick, L. A central role for *SW16* in modulating cell cycle Start-specific transcription in yeast, (*with* Moll, T, Auer, H, Nasmyth, K) *Letter to Nature*, **357**, 508
Disney, M. Optical thickness of galaxies, *Scientific correspondence*, **356**, 114
See under Chapman, S., **359**, 207
Disterhoft, J F. *See under* Thompson, L T., **359**, 638
Dixon, D R. *See under* Dando, P R., **356**, 667
Dixon, F J. *See under* Duchosal, M A., **355**, 258
Djordjevski, S. *See under* Hut, P., **359**, 806
Dlugokencky, E J. *See under* Steele, L P., **358**, 313
Dluhy, R G. *See under* Lifton, R P., **355**, 262
Dobberstein, B. *See under* Luirink, J., **359**, 741
Antigen processing: Who needs peptide transporters?, *News and views*, **355**, 109
Dobrowsky, M. *See under* Pacini, F., **359**, 10
Dobson, C M. *See under* Radford, S E., **358**, 302
Dodge, C J. *See under* Francis, A J., **356**, 140
Doetsch, P W. *See under* Hamilton, K K., **356**, 725
Doetschman, T. *See under* Shull, M M., **359**, 693
Dogon, A L. *See under* Watkins, D I., **357**, 329
Doherty, H M. *See under* Wildon, D C., **360**, 62
Doherty, P. The VASE exon downregulates the neurite growth-promoting activity of NCAM 140, (*with* Moolenaar, C E C K, Ashton, S V, Michalides, R J A M, Walsh, F S) *Letter to Nature*, **356**, 791
Doira, C. *See under* Oliver, S G., **357**, 38
Dolan, J F. Black holes: Placing faith in the masses?, *News and views*, **355**, 589
Dollé, P. *See under* Lufkin, T., **359**, 835
Domingo, C R. *See under* Purcell, S M., **360**, 404
Donald, M., *Book review by* Morton, J. **355**, 31
Donaldson, J G. Brefeldin A inhibits Golgi membrane-catalysed exchange of guanine nucleotide onto ARF protein, (*with* Finazzi, D, Klausner, R D) *Letter to Nature*, **360**, 350
Donato, L. *See under* Paoletti, P., **355**, 290
Donehower, L A. Mice deficient for p53 are developmentally normal but susceptible to spontaneous tumours, (*with* Harvey, M, Slagle, B L, McArthur, M J, Montgomery, C A, Butel, J S, Bradley, A) *Article*, **356**, 215
Donelan, M A. *See under* Agrawal, Y C., **359**, 219
Donelson, J E. Parasitology: Skirmishes on the border, (*with* Fulton, A B) *News and views*, **356**, 480
Dong, W. Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking, (*with* Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) *Article*, **355**, 605
Donovan, P J. *See under* Resnick, J L., **359**, 550
Doom, C. *See under* de Loore, C W H., **360**, 120
Doran, D M. *See under* Cammarota, G., **356**, 799
Doric, S. Plight of Bosnia and Croatia, *Correspondence*, **359**, 571
Dorin, J R. Cystic fibrosis in the mouse by targeted insertional mutagenesis, (*with* Dickinson, P, Alton, E W F W, Smith, S N, Geddes, D M, Stevenson, B J, Kimber, W L, Fleming, S, Clarke, A R, Hooper, M L, Anderson, L, Beddington, R S P, Porteous, D J) *Article*, **359**, 211
Dormer, R L. *See under* McPherson, M A., **356**, 113
Dorn, H., *Book review by* McNeill, W H. **355**, 599
Dotti, C G. *See under* Kobayashi, T., **359**, 647
Dougan, S. *Drosophila wingless* generates cell type diversity among *engrailed* expressing cells, (*with* DiNardo, S) *Letter to Nature*, **360**, 347
Dougherty, S M. Resolution of the circumstellar gas around the Be star Persei, (*with* Taylor, A R) *Letter to Nature*, **359**, 808
Douglas, G H. *Book review by* Warnock, M. **360**, 383
Dover, G A. Universal Darwinism, *Correspondence*, **360**, 505
Dovey, H. *See under* Seubert, P., **359**, 325
Dowlatabadi, H. *See under* Lave, L B., **355**, 197
Dowling, J E. *Book review by* Hanley, M R. **359**, 686
Downes, D. *See under* Solomon, P M., **356**, 318
Downing, A K. *See under* Booker, G W., **358**, 684
Downing, R G. *See under* Chen, H., **357**, 391
Downward, J. *See under* Basu, T N., **356**, 713
Signal transduction: Exchange rate mechanisms, *News and views*, **358**, 282
Signal transduction: Rac and Rho in tune, *News and views*, **359**, 273
Dowson, T A. *See under* Tobias, P V., **358**, 185
Doyle, A. *See under* Stacey, G N., **359**, 681
See under Stacey, G N., **357**, 261
Drake, R. *See under* Hill, A., **358**, 290
See under Hill, A., **355**, 719
Drange, H. *See under* Haugan, P M., **357**, 318
Disposal of SO_2 in sea water, (*with* Haugan, P M) *Scientific correspondence*, **357**, 547
Drapatz, S. *See under* Eckart, A., **355**, 526
Drayna, D. *See under* Goto, M., **355**, 735
Dreessen, J. *See under* Kano, M., **356**, 601
Drennan, W M. *See under* Agrawal, Y C., **359**, 219
Dresselhaus, M S. Fullerenes: Down the straight and narrow, *News and views*, **358**, 195
Dreyfuss, G. *See under* Piñol-Roma, S., **355**, 730
Drickamer, K. *See under* Weis, W I., **360**, 127
Engineering galactose-binding activity into a C-type mannose-binding protein, *Letter to Nature*, **360**, 183
Driessen, H P C. *See under* Dhanaraj, V., **357**, 466
Driscoll, J. *See under* Arnold, D., **360**, 171
Driver, J. Preserved figure-ground segregation and symmetry perception in visual neglect, (*with* Baylis, G C, Rafal, R D) *Letter to Nature*, **360**, 73
Droogmans, G. *See under* Missiaen, L., **357**, 599
Druffel, E R M. *See under* Bauer, J E., **357**, 667
Du, Z. *See under* Sulston, J., **356**, 37
Duarte, C M. Uncertainty of detecting sea change, (*with* Cebrián, J, Marbà, N) *Commentary*, **356**, 190
Duba, A. Geophysics: Earth's core not so hot, *News and views*, **359**, 197
Dubnick, M. *See under* Adams, M D., **355**, 632
Dubois, E. *See under* Oliver, S G., **357**, 38
Dubois, M A. Model of anomalous transport with backreacting localized perturbations, (*with* Beaufumé, P, Fromont, B) *Letter to Nature*, **358**, 133
Dubois, M L. *See under* Miller, D M., **355**, 841
Duboule, D. *See under* Morgan, B A., **358**, 236
Duce, R A. *See under* Owens, N J P., **357**, 397
See under Zhuang, G., **355**, 537
Duchosal, M A. Immunization of hu-PBL-SCID mice and the rescue of human monoclonal Fab fragments through combinatorial libraries, (*with* Eming, S A, Fischer, P, Leturcq, D, Barbas, C F, McConahey, P J, Caothien, R H, Thornton, G B, Dixon, F J, Burton, D R) *Letter to Nature*, **355**, 258
Ducios, S. High-pressure physics: Make or break with fullerenes, *News and views*, **359**, 479
Duesberg, P. Questions about AIDS, *Correspondence*, **358**, 10
Duggan, A W. *Book review of* Defeating pain: The war against a silent epidemic (*by* Wall, P D) **356**, 120
Book review of The culture of pain (*by* Morris, D B) **356**, 120
Dujon, B. *See under* Oliver, S G., **357**, 38
Duke, R C. *See under* Cohen, J J., **355**, 212
Duncan, R A. *See under* Christie, D M., **355**, 246
Duplantier, B. Short-range flaws, (*with* Jolicoeur, T) *Scientific correspondence*, **356**, 24
Duplessy, J C. Changes in surface salinity of the North Atlantic Ocean during the last deglaciation, (*with* Labeyrie, L, Arnold, M, Paterne, M, Duprat, J, van Weering, T C E) *Letter to Nature*, **358**, 485
Duplessy, J-C. *See under* Veum, T., **356**, 783
Duprat, J. *See under* Duplessy, J C., **358**, 485
Durbin, R. *See under* Sulston, J., **356**, 37
See under Mitchison, G., **355**, 112
Durfee, S. *See under* Looker, D., **356**, 258
Durán, C A. Real-time imaging of the magnetic flux distribution in superconducting $YBa_2Cu_3O_{7-x}$, (*with* Gammel, P L, Wolfe, R, Fratello, V J, Bishop, D J, Rice, J P, Ginsberg, D M) *Letter to Nature*, **357**, 474
Dusterhoft, A. *See under* Oliver, S G., **357**, 38
Dutrillaux, B. *See under* Sabatier, L., **357**, 548
Dutta, P. Solar power: Towards energy storage, *News and views*, **358**, 621
Dutta, S K. *See under* Mohanty-Hejmadi, P., **355**, 352
Dutton, P L. *See under* Moser, C C., **355**, 796
Dwek, E. *See under* Felten, J E., **356**, 202
Dwek, R. *See under* Edge, C., **358**, 693
Dyer, P A. *See under* Glew, S S., **356**, 22
Dyson, F. *Book review by* Ferris, T. **360**, 389
Dyson, N. *See under* Cao, L., **355**, 176
Dziewonski, A M. *See under* Su, W -J., **360**, 149
Eady, R A J. *See under* Lane, E B., **356**, 244
Eanes, W F. *Book review of* The causes of molecular evolution (*by* Gillespie, J H) **359**, 116
Earman, J. *Book review by* Howson, C. **358**, 552
East, J E. *See under* Rosenberg, R L., **360**, 166
Eastman, M A. *See under* Farnan, I., **358**, 31
Eaves, L. Solid state physics: Looking inside quantum dots, *News and views*, **357**, 540
Ebbesen, T W. *See under* Tanigaki, K., **356**, 419
Large-scale synthesis of carbon nanotubes, (*with* Ajayan, P M) *Letter to Nature*, **358**, 220
Isotope effect on superconductivity in Rb_3C_{60}, (*with* Tsai, J S, Tanigaki, K, Tabuchi, J, Shimakawa, Y, Kubo, Y, Hirosawa, I, Mizuki, J) *Letter to Nature*, **355**, 620
Ebbesmeyer, C C. Plight of Wei Jingsheng, (*with* Ingraham, W J Jr, McKinnon, R, Okubo, A, Strickland, R, Wang, D-P, Willing, P) *Correspondence*, **360**, 405
Ebrighi, R H. *See under* Blatter, E E., **359**, 650
Ebright, Y W. *See under* Blatter, E E., **359**, 650
Echeverri, F. *See under* Bissonnette, R P., **359**, 552
Echols, H. *See under* Langer, T., **356**, 683
Eck, A. *See under* Malhotra, R., **356**, 583
Eckart, A. Spatially resolved near-infrared emission and a bubble of hot gas in the central active region of the Galaxy, (*with* Genzel, R, Krabbe, A, Hofmann, R, van der Werf, P P, Drapatz, S) *Letter to Nature*, **355**, 526
Eda, Y. *See under* Emini, E A., **355**, 728
Edelman, E R. *See under* Simons, M., **359**, 67
Edelman, G. *Book review by* Rose, S. **360**, 426
Edge, C. Fast sequencing of oligosaccharides using arrays of enzymes, (*with* Parekh, R, Rademacher, T, Wormald, M, Dwek, R) *Product review*, **358**, 693
Edgerton Jr, S Y., *Book review by* Massing, J M. **355**, 507
Edmond, J M. *See under* Colodner, D C., **358**, 402
Edmunds, M G. Astronomy: Fast process, slow progress, *News and views*, **360**, 302
Book review of The Andromeda Galaxy (*by* Hodge, P) **360**, 546
Edvardsson, B. *See under* Gilmore, G., **357**, 379
Edwards, C. *See under* Codd, G A., **359**, 110
Edwards, D. A vascular conducting strand in the early land plant *Cooksonia*, (*with* Davies, K L, Axe, L) *Letter to Nature*, **357**, 683
Edwards, F A. ATP receptor-mediated synaptic currents in the central nervous system, (*with* Gibb, A J, Colquhoun, D) *Letter to Nature*, **359**, 144
Long-term potentiation: Miniatures get bigger, *News and views*, **355**, 21
Edwards, G. *Book review of* Children of alcoholics: A critical appraisal of theory and research (*by* Sher, K J) **358**, 549
Edwards, Y H. *See under* Timsley, J M., **360**, 591
Efremov, Yu N. *See under* Bochkarev, N G., **355**, 384
Efstathiou, G. *See under* Davis, M., **356**, 489
Egan, M. Defective regulation of outwardly rectifying Cl channels by protein kinase A corrected by insertion of CFTR, (*with* Flotte, T, Afione, S, Solow, R, Zeitlin, P L, Carter, B J, Gvggino, W B) *Letter to Nature*, **358**, 581
Egel, R. Microbial genetics: Sexual identity and smut, *News and views*, **357**, 23
Egger, L A. *See under* Thornberry, N A., **356**, 768
Eggerickx, D. *See under* Parmentier, M., **355**, 453
Eggleton, P. Hunterian Institute, *Correspondence*, **360**, 203
Prospects for graduates, *Correspondence*, **355**, 292
Eglinton, G. Molecular record of secular sea surface temperature changes on 100-year timescales for glacial terminations I, II and IV, (*with* Bradshaw, S A, Rosell, A, Sarnthein, M, Pflaumann, U, Tiedemann, R) *Letter to Nature*, **356**, 423
Egloff, B. *See under* Braverstock, K., **359**, 21
Egly, J-M. *See under* Lu, H., **358**, 641
Ehleringer, J R. Lack of nitrogen cycling in the Atacama Desert, (*with* Mooney, H A, Rundel, P W, Evans, R D, Palma, B, Delatorre, J) *Letter to Nature*, **359**, 316
Ehlich, A. *See under* Rajewsky, K., **359**, 371
Ehrhardt, A. *See under* Ferguson-Smith, M A., **355**, 10
Eichberg, J W. *See under* Emini, E A., **355**, 728
Eichele, G. *See under* Hogan, B L M., **359**, 237
Eide, L. *See under* Pines, G., **360**, 464
See under Pines, G., *Erratum*, **360**, 768
Eigen, M. *Book review by* Lehman, N. **359**, 597
Einarsson, P. *See under* Foulger, G R., **358**, 488
Eiseman, E. Engagement of the high-affinity IgE receptor activates *src* protein-related tyrosine kinases, (*with* Bolen, J B) *Letter to Nature*, **355**, 78
Eisenberg, D. *See under* Lüthy, R., **356**, 83
See under Choe, S., **357**, 216
Eisenman, R N. *See under* Kretzner, L., **359**, 426
Ekert, A. Cryptography: Beating the code breakers, *News and views*, **358**, 14
Eklund, E. The biter bit, *Correspondence*, **359**, 10
El Naschie, M S. *Journal review by* Shlesinger, M., **359**, 453
Elias, S., *Book review by* Nelkin, D. **360**, 380
Elitzur, M. *Book review by* Cohen, R J. **357**, 204
Elkins, J W. *See under* Butler, J H., **359**, 403
Ellam, R M. Evidence from Re-Os isotopes for plume-lithosphere mixing in Karoo flood basalt genesis, (*with* Carlson, R W, Shirey, S B) *Letter to Nature*, **359**, 718
Ellington, A D. Reagents for the site specific cleavage of megabase DNA, (*with* Szostak, J W) *Product review*, **359**, 87
Capillary array electrophoresis: an approach to high-speed,

high-throughput DNA sequencing. (*with* Szostak, J W) *Product review*, **359,** 167
Selection *in vitro* of single-stranded DNA molecules that fold into specific ligand-binding structures. (*with* Szostak, J W) *Letter to Nature*, **355,** 850
Elliott, J. *See under* Yan, Q., **360,** 753
Elliott, S. *See under* Cicerone, R J., **356,** 472
Elliott, S R. Network-modifying ions in glass, *Scientific correspondence*, **357,** 650
Elliott, T. *See under* Kelly, A., **355,** 641
Ellis, J. Protein folding: Cytosolic chaperonin confirmed, *News and views*, **358,** 191
Ellis, R E. *See under* Hengartner, M O., **356,** 494
Ellis, R S. *See under* Broadhurst, T J., **355,** 55
Elliston, K O. *See under* Thornbc:ry, N A., **356,** 768
Elser, V. *See under* Lenosky, T., **355,** 333
Elsner, J B. *See under* Tsonis, A A., **356,** 751
See under Tsonis, A A., **358,** 217
Elson, E L. *See under* Jay, P Y., **356,** 438
Elsworth, C M. *See under* Ayers, G P., **360,** 446
Elvin, J. *See under* Hill, A V S., **360,** 434
Elwood, R W. *Book review by* Huntingford, F A, **357,** 205
Elzanowski, A. A new link between theropods and birds from the Cretaceous of Mongolia. (*with* Wellnhofer, P) *Letter to Nature*, **359,** 821
Eming, S A. *See under* Duchosal, M A., **355,** 258
Emini, E A. Prevention of HIV-1 infection in chimpanzees by gp120 V3 domain-specific monoclonal antibody. (*with* Schleif, W A, Nunberg, J H, Conley, A J, Eda, Y, Tokiyoshi, S, Putney, S D, Matsushita, S, Cobb, K E, Jett, C M, Eichberg, J W, Murthy, K K) *Letter to Nature*, **355,** 728
Emlen, S T. Parent-offspring conflict and the recruitment of helpers among bee-eaters. (*with* Wrege, P H) *Letter to Nature*, **356,** 331
Parent-offspring conflict. (*with* Wrege, P H) *Scientific correspondence*, **359,** 24
Emslie, E A. *See under* Keyse, S M., **359,** 644
Endo, K. High-quality superconducting thin films of $Bi_2Sr_2Ca_2Cu_3O_x$ grown *in situ* by metalorganic CVD. (*with* Yamasaki, H, Misawa, S, Yoshida, S, Kajimura, K) *Letter to Nature*, **355,** 327
Endo, M. *See under* Iino, M., **360,** 76
Endo, T. *See under* Fukami, K., **359,** 150
Engebretson, D C. *See under* Richards, M A., **355,** 437
Engel, J. Women in science. (*with* Flynn, J J, Crane, P R, Lanyon, S) *Correspondence*, **360,** 405
Engels, D. *See under* Reimers, D., **360,** 561
England, J. Misrepresenting paradise. *Scientific correspondence*, **357,** 368
England, P. *See under* Molnar, P., **355,** 306
Enna, S J. *Journal review of* Molecular neuropharmacology, (*Edited by* Woodruff, G N) **359,** 445
Enneking, D. *See under* Tate, M E., **359,** 357
Ennis, G. *See under* Sievering, H., **360,** 571
Ephrussi, A. Induction of germ cell formation by *oskar*. (*with* Lehmann, R) *Article*, **358,** 387
Epstein, R L. *See under* Fenimore, E E., **357,** 140
See under Link, B., **359,** 616
Erdmann, D. *See under* Oliver, S G., **357,** 38
Ereshefsky, M. , *Book review by* Coyne, J A. **357,** 289
Erickson, J. *See under* Wallace, J., **359,** 25
See under Wallace, J., **359,** 282
Ericson, T E O. , *Book review by* Miller, D J. **356,** 756
Eriksson, A E. A cavity-containing mutant of T4 lysozyme is stabilized by buried benzene. (*with* Baase, W A, Wozniak, J A, Matthews, B W) *Letter to Nature*, **355,** 371
Ernst, R E. Evidence from magnetic fabric for the flow pattern of magma in the Mackenzie giant radiating dyke swarm. (*with* Baragar, W R A) *Letter to Nature*, **356,** 511
Ervasti, J M. *See under* Matsumura, K., **360,** 588
See under Ibraghimov-Beskrovnaya, O., **355,** 696
Erzinclioglu, Z. Ancient error. *Correspondence*, **355,** 195
Esch, F. *See under* Seubert, P., **359,** 325
Escobedo, J. *See under* Peters, K G., **358,** 678
Esposito, L W. Planetary science: Running rings round modellers, *News and views*, **360,** 531
Esser, U. Superantigens: Playing upon both sides. (*with* Parham, P) *News and views*, **359,** 19
See under Jorgensen, J L., **355,** 224
Essmann, U. *See under* Poole, P H., **360,** 324
Esteban, M. *See under* Oliver, S G., **357,** 38
Esteve, D. *See under* Devoret, M H., **360,** 547
Estivill, X. *See under* Chumakov, I., **359,** 380
Estling, R. Rewriting the history of science, *Correspondence*, **359,** 265
Old argument, *Correspondence*, **355,** 667
Etler, D A. *See under* Tianyuan, L., **357,** 404
Etter, R J. Patterns of species diversity in the deep sea as a function of sediment particle size diversity. (*with* Grassle, J F) *Letter to Nature*, **360,** 576
Eulderink, F. *See under* Icke, V., **355,** 524
Evan, G I. *See under* Amati, B., **359,** 423
See under Fanidi, A., **359,** 554
Evans, A. *See under* Cambien, F., **359,** 641
Evans, A C. *See under* Zatorre, R J., **360,** 339
Evans, B. Rock mechanics: Greasing the fault, *News and views*, **358,** 544
Evans, C R. *See under* Kulkarni, S R., **359,** 300
Evans, D J. Interpretation of solar-cycle variability in high-degree p-mode frequencies. (*with* Roberts, B) *Letter to Nature*, **355,** 230
Evans, D Ll. *See under* Lomas, D A., **357,** 605
Evans, H J. Radiation biology: Alpha-particle after effects, *News and views*, **355,** 674
Evans, M. *See under* Ashmore, J., **356,** 111
Evans, M R. ^{32}P, ^{33}P and ^{35}S: selecting a label for nucleic acid analysis. (*with* Read, C A) *Product review*, **358,** 520
Evans, P A. *See under* Radford, S E., **358,** 302
Evans, R D. *See under* Ehleringer, J R., **359,** 316
Evans, R G. Laser physics: *Ultrason et lumière*, *News and views*, **355,** 769
Evans, R J. ATP mediates fast synaptic transmission in mammalian neurons. (*with* Derkach, V, Surprenant, A) *Letter to Nature*, **357,** 503
Evans, R M. *See under* Kliewer, S A., **358,** 771
See under Kliewer, S A., **355,** 446
Everson, W. *See under* Crutcher, K A., **357,** 432
Ewart, K V. *See under* Rubinsky, B., **360,** 113
Faas, S J. *See under* Vukmanovic, S., **359,** 729
Faber, S M. *See under* Burstein, D., **356,** 114
Fabian, A C. *See under* Podsiadlowski, P., **356,** 202
See under Haisch, B., **360,** 239
Fabre, F. *See under* Oliver, S G., **357,** 38
Faha, B. *See under* Cao, L., **355,** 176
Fahlman, G G. *See under* Richer, H B., **358,** 383
Fairbanks, R G. *See under* Charles, C D., **355,** 416
Fairbrother, U. *See under* Tinsley, J M., **360,** 591
Fairhead, C. *See under* Oliver, S G., **357,** 38
Faist, J. *See under* Capasso, F., **358,** 565
Falck, W E. Continental drift, *Correspondence*, **355,** 668
Falk, D. Earliest *homo* debate. (*with* Baker, E) *Scientific correspondence*, **358,** 289
Falkowski, P G. Phytoplankton productivity in the North Pacific ocean since 1900 and implications for absorption of anthropogenic CO_2. (*with* Wilson, C) *Letter to Nature*, **358,** 741
Fan, S-M. Surface ozone depletion in Arctic spring sustained by bromine reactions on aerosols. (*with* Jacob, D J) *Letter to Nature*, **359,** 522
Fanarraga, M. *See under* Schneider, A., **358,** 758
Fang, S M. *See under* Finkelstein, A., **355,** 464
Fanidi, A. Cooperative interaction between *c-myc* and *bcl-2* proto-oncogenes. (*with* Harrington, E A, Evan, G I) *Letter to Nature*, **359,** 554
Fanslow, W C. *See under* Armitage, R J., **357,** 80
Fantes, P A. *See under* Lowndes, N F., **355,** 449
Fantoni, A. *See under* Aiuti, F., **356,** 188
Farber, G K. *See under* Stoddard, B L., **360,** 293
Fardeau, M. *See under* Matsumura, K., **359,** 320
Farese, R V. Protein kinase C downregulation?, (*with* Standaert, M L, Cooper, D R) *Scientific correspondence*, **360,** 305
Farid, R S. *See under* Moser, C C., **355,** 796
Farmer, G. Wild-type p53 activates transcription *in vitro*. (*with* Bargonetti, J, Zhu, H, Friedman, P, Prywes, R, Prives, C) *Letter to Nature*, **358,** 83
Farnan, I. Quantification of the disorder in network-modified silicate glasses. (*with* Grandinetti, P J, Baltisberger, J H, Stebbins, J F, Werner, U, Eastman, M A, Pines, A) *Article*, **358,** 31
Farnsworth, C L. *See under* Shou, C., **358,** 351
Farr, G W. *See under* Yaffe, M B., **358,** 245
Farrah, T. Emerging cytokine family. (*with* Smith, C A) *Scientific correspondence*, **358,** 26
Faull, R L M. *See under* Bloom, F E., **358,** 184
Faure, H. *See under* Adams, J M., **355,** 214
Favor, J. *See under* Hill, R E., **355,** 750
Fawcett, J. Molecular cloning of ICAM-3, a third ligand for LFA-1, constitutively expressed on resting leukocytes. (*with* Holness, C L L, Needham, L A, Turley, H, Gatter, K C, Mason, D Y, Simmons, D L) *Letter to Nature*, **360,** 481
Fay, F S. *See under* McCarron, J G., **357,** 74
Fay, R R. , *Book review by* Wilczynski, W. **358,** 202
Faye, G. *See under* Oliver, S G., **357,** 38
Fazeli, A. *See under* Jacks, T., **359,** 295
Featherstone, C. *Journal review by* Armstrong, J., **359,** 441
Fecht, H J. Defect-induced melting and solid-state amorphization. *Letter to Nature*, **356,** 133
Federman, A D. Hormonal stimulation of adenylyl cyclase through G_i-protein βγ subunits. (*with* Conklin, B R, Schrader, K A, Reed, R R, Bourne, H R) *Letter to Nature*, **356,** 159
Fedoroff, N. *Book review by* Fincham, J R S, **358,** 631
Fegan, D J. *See under* Punch, M., **358,** 477
Feibel, C S. Earliest *Homo* debate. *Scientific correspondence*, **358,** 289
Feig, L A. *See under* Shou, C., **358,** 351
Feigon, J. *See under* Smith, F W., **356,** 164
Feiveson, H. *See under* Berkhout, F., **359,** 769
Feldmann, H. *See under* Oliver, S G., **357,** 38
Felsenfeld, G. Chromatin as an essential part of the transcriptional mechanism. *Review article*, **355,** 219
Felten, J E. Napoleon's hat. (*with* Dwek, E) *Scientific correspondence*, **356,** 202
Fenimore, E E. Necessity of evolution in cosmological ρ-ray bursts. (*with* Epstein, R I, Ho, C, Klebesadel, R W, Laros, J) *Letter to Nature*, **357,** 140
Fennell, S. *See under* Punch, M., **358,** 477
Ferenczi, M A. *See under* Irving, M., **357,** 156
See under Irving, M., **357,** 704
Ferguson-Smith, M A. Olympic row over sex testing. (*with* Carlson, A, de la Chapelle, A, Ehrhardt, A, Ferris, E, Ljungqvist, A, Genel, M, Simpson, J L) *Correspondence*, **355,** 10
Fermi, G. *See under* Looker, D., **356,** 258
Fernandez, J M. *See under* Oberhauser, A F., **360,** 271
Fernandez-Diaz, L. *See under* Putnis, A., **358,** 743
Ferrari, L. *See under* Borgia, A., **357,** 231
Ferraro, F R. *See under* Paresce, F., **360,** 46
Ferreira, R. Left out, *Correspondence*, **355,** 384
Ferrell-Stevens, J. Training for Egyptian scientists, *News*, **355,** 194
Ferrera, V P. Mixed parvocellular and magnocellular geniculate signals in visual area V4. (*with* Nealey, T A, Maunsell, J H R) *Letter to Nature*, **358,** 756
Ferriere, R H. *See under* Cazelles, B., **355,** 25
Ferris, A L. *See under* Arnold, E., **357,** 85
Ferris, C D. Quantal calcium release by purified reconstituted inositol 1,4,5-trisphosphate receptors. (*with* Cameron, A M, Huganir, R L, Snyder, S H) *Letter to Nature*, **356,** 350
Ferris, E. *See under* Ferguson-Smith, M A., **355,** 10
Ferris, T. *Book review by* Price, H, **356,** 632
Book review of From Eros to Gaia (*by* Dyson, F) **360,** 389
Fersht, A R. *See under* Serrano, L., **356,** 453
Feshbach, M. *Book review by* Scherbakova, A. **357,** 451
Fetzer, J H. *Journal review by* Fox, J., **359,** 462
Fichtel, C E. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Fiedler, P L. , *Book review by* Tudge, C. **359,** 683
Field, J. *See under* Johnson, A M., **360,** 410
Field, R J. *See under* Györgyi, L., **355,** 808
Fields, C. *See under* Adams, M D., **357,** 367
See under Adams, M D., **355,** 632
Fierro, J M. *See under* Thompson, D J., **359,** 615
Fiers, W. *See under* Oliver, S G., **357,** 38
See under Brouckaert, P G G., **358,** 630
Finazzi, D. *See under* Donaldson, J G., **360,** 350
Finch, J T. *See under* Lomas, D A., **357,** 605
Fincham, J R S. **356,** 203
Book review of Biotechnics and society: The rise of industrial genetics (*by* Krimsky, S) **356,** 203
Book review of Wonderwoman and superman: The ethics of human biotechnology (*by* Harris, J) **356,** 203
Book review of The dynamic genome: Barbara McClintock's ideas in the century of genetics (*by* Fedoroff, N) **358,** 631
Findlay, J B C. *See under* Böcskei, Z., **360,** 186
Fine, P E M. Efficacy of leprosy vaccine. (*with* Smith, P G) *Correspondence*, **360,** 406
Finegold, M J. *See under* Matzuk, M M., **360,** 313
Finger, L W. *See under* Vos, W L., **358,** 46
Fink, G. A national primate centre?, *Correspondence*, **358,** 705
Fink, G R. Obituary: Barbara McClintock (1902-1992) , *News and views*, **359,** 272
Fink, J. Mount Unzen rumbles on, *Scientific correspondence*, **357,** 119
Volcanology. What goes up could come down, *News and views*, **359,** 102
355, 688
Finkelstein, A. A cDNA encoding RAP74, a general initiation factor for transcription by RNA polymerase II. (*with* Kostrub, C F, Li, J, Chavez, D P, Wang, B Q, Fang, S M, Greenblatt, J, Burton, Z F) *Letter to Nature*, **355,** 464
Finn, R. *See under* Garwin, L., **359,** 664
Rumblings grow about Parkfield in wake of first earthquake prediction, *News*, **359,** 761
Fiorentino, D F. *See under* Kuo, C J., **358,** 70
Fiori, A. Forensic use of PCR in Italy. (*with* Pascali, V L) *Correspondence*, **356,** 471
Fiori, W R. *See under* Miick, S M., **359,** 653
Fischbach, E. Six years of the fifth force. (*with* Talmadge, C) *Review article*, **356,** 207
Fischer, D. *Book review by* Walker, W. **356,** 669
Test-ban treaty, *Correspondence*, **360,** 9
Fischer, J E. *See under* Yildirim, T., **360,** 568
See under Zhu, Q., **355,** 712
See under Rotter, L D., **355,** 532
Fischer, M. *See under* Büeler, H., **356,** 577
Fischer, P. *See under* Duchosal, M A., **355,** 258
Fisher, C L. *See under* Getzoff, E D., **358,** 347
Fisher, D S. *See under* Huse, D A., **358,** 553
Fisher, L. *See under* Lu, H., **358,** 641
Fisher, M P A. *See under* Huse, D A., **358,** 553
Fisher, R F. *Rhizobium*-plant signal exchange. (*with* Long, S R) *Review article*, **357,** 655
Fishman, G J. *See under* Bhat, P N., **359,** 217
See under Meegan, C A., **355,** 143
Fitton, J G. *See under* Halliday, A N., **359,** 623
Fitzpatrick, V D. Homeodomain-independent activity of the *fushi tarazu* polypeptide in *Drosophila* embryos. (*with* Percival-Smith, A, Ingles, C J, Krause, H M) *Letter to Nature*, **356,** 610
Fitzwater, S E. *See under* Martin, J H., **356,** 699
Flamand, A. Eradication of rabies in Europe. (*with* Coulon, P, Lafay, F, Kappeler, A, Artois, M, Aubert, M, Blancou, J, Wandeler, A I) *Scientific correspondence*, **360,** 115
Flanagan, D. Coastal erosion and insurance, *Correspondence*, **359,** 356
Flanagan, J. *See under* Langer, T., **356,** 683
Flanagan, W M. *See under* Kuo, C J., **358,** 70
Flavell, D. *Journal review by* Rubery, P., **359,** 439
Fleischer, R C. *See under* Oring, L W., **359,** 631
Fleming, R M. *See under* Rosseinsky, M J., **356,** 416
See under Kortan, A R., **360,** 566

See under Kortan, A R., **355,** 529
Fleming, S. *See under* Dorin, J R., **359,** 211
Fletcher, G L. *See under* Rubinsky, B., **360,** 113
Fletcher, H. Degassing Lake Nyos. *Scientific correspondence,* **355,** 683
Fletcher, H L. Consciousness. *Correspondence,* **359,** 665
Fletcher, J A. *See under* Basu, T N., **356,** 713
Florido, E. *See under* Battaner, E., **360,** 652
Flotte, T. *See under* Egan, M., **358,** 581
Flower, D R. *See under* Böckkei, Z., **360,** 186
Flynn, J J. *See under* Engel, J., **360,** 405
Foley, R. Language gap: Reply. *Scientific correspondence,* **355,** 404
Folmer, H. *Journal review by* O'Riordan, T., **359,** 460
Fong, M L. *See under* Williams, T M., **355,** 821
Fontana, D. *See under* Josephson, B D., **358,** 618
See under Josephson, B D., **359,** 472
Fontugne, M R. *See under* Calvert, S E., **359,** 223
Foor, F. Calcineurin mediates inhibition by FK506 and cyclosporin of recovery from α-factor arrest in yeast. (*with* Parent, S A, Morin, N, Dahl, A M, Ramadan, N, Chrebet, G, Bostian, K A, Nielsen, J B) *Letter to Nature,* **360,** 682
Foot, C. *See under* Steane, A., **358,** 715
Atom optics: Atoms brought to a new focus. *News and views,* **355,** 303
Ford, B J. Brown's observations confirmed. *Correspondence,* **359,** 265
Ford, T J Jr. A rete in the right whale. (*with* Kraus, S D) *Scientific correspondence,* **359,** 680
Ford, V S. *Bicalyx* is a natural homeotic floral variant. (*with* Gottlieb, L D) *Letter to Nature,* **358,** 671
Forgas, B W. *See under* Ayers, G P., **360,** 446
Forman, J. *See under* Attaya, M., **355,** 647
Forscher, P. Novel form of growth cone motility involving site-directed actin filament assembly. (*with* Lin, C H, Thompson, C) *Letter to Nature,* **357,** 515
Forstbuber, T. *See under* Lehmann, P V., **358,** 155
Fortenbaugh, W. . *Book review by* Temple, R, **359,** 489
Book review by Temple, R, **359,** 489
Forterre, P. Neutral terms. *Scientific correspondence,* **355,** 305
Fortini, M E. Signalling by the *sevenless* protein-tyrosine kinase is mimicked by Ras1 activation. (*with* Simon, M A, Rubin, G M) *Letter to Nature,* **355,** 559
Fossey, S J. *See under* Hall, D L., **358,** 629
Foster, J W. Evolution of sex determination and the Y chromosome: *SRY*-related sequences in marsupials. (*with* Brennan, F E, Hampikian, G K, Goodfellow, P N, Sinclair, A H, Lovell-Badge, R, Selwood, L, Renfree, M B, Cooper, D W, Marshall Graves, J A) *Letter to Nature,* **359,** 531
Foster, L C. *See under* Settleman, J., **359,** 153
Foster, R. *See under* Backer, D., **358,** 24
Fotuhi, M. *See under* Steiner, J P., **358,** 584
Fougerousse, F. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Foukal, P. Solar astronomy: Darkness can illuminate. *News and views,* **358,** 285
Foulger, G R. Post-rifting stress relaxation at the divergent plate boundary in Northeast Iceland. (*with* Jahn, C-H, Seeber, G, Einarsson, P, Julian, B R, Heki, K) *Letter to Nature,* **358,** 498
Foulkes, N S. Developmental switch of CREM function during spermatogenesis: from antagonist to activator. (*with* Mellström, B, Benusiglio, E, Sassone-Corsi, P) *Letter to Nature,* **355,** 80
Fournier, D A. *See under* Holland, K N., **358,** 410
Foust, C M. *Book review by* Porter, R, **357,** 121
Book review of Salt and civilization (*by* Adshead, S A M) **358,** 590
Fowler, G J S. Genetically modified photosynthetic antenna complexes with blueshifted absorbance bands. (*with* Visschers, R W, Grief, G G, van Grondelle, R, Hunter, C N) *Letter to Nature,* **355,** 848
Fowler, P. Chemical bonding: Fixing a molecular snapshot. *News and views,* **355,** 586
Fowler, P W. Vocabulary for fuzzy symmetry. *News and views,* **360,** 626
Magic numbers and stable structures for fullerenes, fullerides and fullerenium ions. (*with* Manolopoulos, D E) *Letter to Nature,* **355,** 428
Chemistry: Vocabulary for fuzzy symmetry. *News and views,* **360,** 626
Fowler, S W. *See under* Readman, J W., **358,** 662
Fox, A P. *See under* Artalejo, C R., **358,** 63
Fox, C G. *See under* Christie, D M., **355,** 246
Fox, J. *Journal review of* Minds and machines: Journal for artificial intelligence, philosophy, and cognitive science. (*Edited by* Fetzer, J H) **359,** 462
Fox, M A. Photochemistry: A bent for charge separation. *News and views,* **355,** 500
Fox, R C. Post-Jurassic mammal-like reptile from the Palaeocene. (*with* Youzwyshyn, G P, Krause, D W) *Letter to Nature,* **358,** 233
Palaeocene therapsid debate. (*with* Youzwyshyn, G P, Krause, D W) *Scientific correspondence,* **360,** 540
Fraccaro, M. Power and money. *Correspondence,* **356,** 10
Fradelizi, D. *Journal review by* Sewell, H F., **359,** 442
Frail, D A. *See under* Wolszczan, A., **355,** 145
Frais-Burnet, D. *See under* Sparks, W B., **355,** 804
France, R. Garbage in paradise. *Scientific correspondence,* **355,** 504
France, S C. *See under* Van Dover, C L., **358,** 25
Francingues-Gaillard, M C. *See under* Oliver, S G., **357,** 38
Francis, A J. Biodegradation of metal citrate complexes and implications for toxic-metal mobility. (*with* Dodge, C J, Gillow, J B) *Letter to Nature,* **356,** 140
Francis, J L. *Journal review by* Heptinstall, S., **359,** 447
Francke, U. *See under* Suter, U., **356,** 241
Franco, L. *See under* Oliver, S G., **357,** 38
Frank, A. *See under* Icke, V., **355,** 524
Frank, L. Questions about AIDS. *Correspondence,* **358,** 10
Frank, Z. *See under* Muller, R., **356,** 322
Frank-Kamenetskii, M. DNA structure: The quadruplex and the vase. *News and views,* **356,** 105
Franzoso, G. The candidate oncoprotein Bcl-3 is an antagonist of p50/NF-kB-mediated inhibition. (*with* Bours, V, Park, S, Tomita-Yamaguchi, M, Kelly, K, Siebenlist, U) *Letter to Nature,* **359,** 339
Franzusoff, A. Immuno-isolation of Sec7p-coated transport vesicles from the yeast secretory pathway. (*with* Lauzé, E, Howell, K E) *Letter to Nature,* **355,** 173
Fraser, J D. *See under* Irwin, M J., **359,** 841
Superantigen data. *Scientific correspondence,* **360,** 423
Fratello, V J. *See under* Durán, C A., **357,** 474
Frayer, D W. *See under* Wolpoff, M H., **356,** 200
Frazao, C. *See under* Dhanaraj, V., **357,** 466
Freedman, L. *Book review of* Closing Pandora's Box: Arms races, arms control and the history of the Cold War (*by* Glynn, P) **360,** 386
Freeman, G J. *See under* Nahavi, N., **360,** 266
Freeman, K R. *See under* Zouros, E., **359,** 412
Frelat, G. *See under* Chumakov, I., **359,** 380
Fremeau, R T. . *Book review by* Hardy, J. **356,** 670
French, B M. . *Book review by* Turner, G. **358,** 293
Frenk, C S. *See under* Davis, M., **356,** 489
Frenkel, V Y. . *Book review by* Charap, J M. **358,** 201
Fresno, M. *See under* Mallabiabarrena, A., **357,** 593
Frew, R D. Influence of Southern Ocean waters on the cadmium-phosphate properties of the global ocean. (*with* Hunter, K A) *Letter to Nature,* **360,** 144
Frey, F A. *See under* Takazawa, E., **359,** 55
Frey, H M. *Journal review by* Crombie, L., **359,** 457
Frey, R W. *Journal review by* Yochelson, E L., **359,** 452
Fricke, H. Coelacanth tissue bank. *Correspondence,* **357,** 105
Fridman, W H. *See under* Amigorena, S., **358,** 337
Friedl, W A. *See under* Williams, T M., **355,** 821
Friedman, P. *See under* Farmer, G., **358,** 83
Friend, R H. *See under* Burn, P L., **356,** 47
Friesadly, A. *See under* Feshbach, M., **357,** 451
Fritsch, P. High outcrossing rates maintain male and hermaphrodite individuals in populations of the flowering plant *Datisca glomerata.* (*with* Rieseberg, L H) *Letter to Nature,* **359,** 633
Fritz, L C. *See under* Yednock, E A., **356,** 63
Froguel, Ph. Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus. (*with* Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) *Letter to Nature,* **356,** 162
See under Vionnet, N., **356,** 721
Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus: Correction. (*with* Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) *Letter to Nature,* **357,** 607
Fromner, J. *See under* Overney, R M., **359,** 133
Fromont, B. *See under* Dubois, M A., **358,** 133
Frontali, L. *See under* Oliver, S G., **357,** 38
Frost, B J. *See under* Wang, Y., **356,** 236
Fruchter, A S. X-rays from the eclipsing pulsar 1957+20. (*with* Bookbinder, J, Garcia, M R, Bailyn, C D) *Letter to Nature,* **359,** 303
Fruton, J S. *Book review by* Reynolds, J, **359,** 203
Fry, B. *See under* Van Dover, C L., **360,** 153
Fry, R M. Analytical language. *Correspondence,* **356,** 651
Fryer, J R. *See under* Dong, W., **355,** 605
Fu, R. Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data. (*with* Del Genio, A D, Rossow, W B, Liu, W T) *Letter to Nature,* **358,** 394
Fuge, R. Mercury and gold pollution. (*with* Pearce, N J G, Perkins, W T) *Scientific correspondence,* **357,** 369
Fuhrer, K. *See under* Johnsen, S J., **359,** 311
Fuhrman, J A. Novel major archaebacterial group from marine plankton. (*with* McCallum, K, Davis, A A) *Letter to Nature,* **356,** 148
Fujihira, M. *See under* Overney, R M., **359,** 133
Fujii, G. *See under* Choe, S., **357,** 216
Fujii, T. *See under* Sato, H., **360,** 664
Fujimura, T. Pol of gag-pol fusion protein required for encapsidation of viral RNA of yeast L-A virus. (*with* Ribas, J C, Makhov, A M, Wickner, R B) *Letter to Nature,* **359,** 746
Fujishima, A. *See under* Yao, J N., **355,** 624
Fujita, I. Columns for visual features of objects in monkey inferotemporal cortex. (*with* Tanaka, K, Ito, M, Cheng, K) *Letter to Nature,* **360,** 343
Fukada, Y. *See under* Kokame, K., **359,** 749
Fukami, K. Requirement of phosphatidylinositol 4,5-bisphosphate for α-actinin function. (*with* Furuhashi, K, Inagaki, M, Endo, T, Hatano, S, Takenawa, T) *Letter to Nature,* **359,** 150
Fukuhara, H. *See under* Oliver, S G., **357,** 38
Fukui, K. *See under* Furukawa, T., **356,** 668
Fulle, M. Dust from short-period comet P/Schwassmann-Wachmann 1 and replenishment of the interplanetary dust cloud. *Letter to Nature,* **359,** 42
Fuller, C C. *See under* van Geen, A., **358,** 54
Fuller, L J. *See under* Oliver, S G., **357,** 38
Fuller, M. Geomagnetism. Superplumes and superchrons. (*with* Weeks, R) *News and views,* **356,** 16
Book review of Palcomagnetism: Magnetic domains to geologic terranes (*by* Butler, R F) **358,** 382
See under Laj, C., **359,** 111
Fuller, S. *See under* Vaux, D., **360,** 372
Fulton, A B. *See under* Donelson, J E., **356,** 480
Furey, W. *See under* Swaminathan, S., **359,** 801
Furie, B. *See under* Palabrica, T., **359,** 848
Furie, B C. *See under* Palabrica, T., **359,** 848
Furuhashi, K. *See under* Fukami, K., **359,** 150
Furukawa, T. Angiogenic factor. (*with* Yoshimura, A, Sumizawa, T, Haraguchi, M, Akiyama, S-I, Fukui, K, Ishizawa, M, Yamada, Y) *Scientific correspondence,* **356,** 668
Fyfe, W S. *See under* Mareschal, M., **357,** 674
Future fuels. *Correspondence,* **355,** 10
Gad, S C. *Journal review by* Connors, T A., **359,** 449
Gadhavi, P L. *See under* Kraulis, P J., **356,** 448
Gadi, I. *See under* Stewart, C L., **359,** 76
Gadsby, D C. *See under* Nagel, G., **360,** 81
Gaffney, E P. *See under* Thornberry, N A., **356,** 768
Gagnon, J. *See under* Multigner, L., **360,** 33
Gaidos, J A. *See under* Punch, M., **358,** 477
Gaines, S D. Dispersal of juveniles and variable recruitment in sessile marine species. (*with* Bertness, M D) *Letter to Nature,* **360,** 579
Gaibally, I E. *See under* Ayers, G P., **360,** 446
Gallagher, K. Dehydration melting and the generation of continental flood basalts. (*with* Hawkesworth, C) *Letter to Nature,* **358,** 57
Galland, P. *See under* Oliver, S G., **357,** 38
Gallatin, W M. *See under* Vazeux, R., **360,** 485
Galloway, D J. Numerical calculations of fast dynamos in smooth velocity fields with realistic diffusion. (*with* Proctor, M R E) *Letter to Nature,* **356,** 691
Galloway, J N. *See under* Owens, N J P., **357,** 397
Galloway, J W. *Book review of* Cancer selection: The new theory of evolution (*by* Graham, J) **356,** 206
Book review of Houses for science: A pictorial history of Cold Spring Harbor Laboratory (*by* Watson, E L) **356,** 628
Book review of Scientific literacy and the myth of the scientific method (*by* Bauer, H H) **358,** 464
Galzi, J-L. Mutations in the channel domain of a neuronal nicotinic receptor convert ion selectivity from cationic to anionic. (*with* Devillers-Thiéry, A, Hussy, N, Bertrand, S, Changeux, J-P, Bertrand, D) *Article,* **359,** 500
Galán, J E. Involvement of the epidermal growth factor receptor in the invasion of cultured mammalian cells by *Salmonella typhimurium.* (*with* Pace, J, Hayman, M J) *Letter to Nature,* **357,** 588
Gambacorti, C. Problems of European law. *Correspondence,* **356,** 738
Gammel, P L. *See under* Durán, C A., **357,** 474
Ganguly, S. *See under* Aso, T., **355,** 461
Gannon, A. Nonpersons. *Correspondence,* **358,** 102
Ganong, W E. *Journal review by* Swanson, L W., **359,** 446
Gao, F. Human infection by genetically diverse SIV_{sm}-related HIV-2 in West Africa. (*with* Yue, L, White, A T, Pappas, P G, Barchue, J, Hanson, A P, Greene, B M, Sharp, P M, Shaw, G M, Hahn, B H) *Letter to Nature,* **358,** 495
Gao, X M. *See under* Hill, A V S., **360,** 434
Garber, D. *Book review by* Hall, A R. **358,** 633
Garber, T L. *See under* Watkins, D I., **357,** 329
Garcia, M R. *See under* Fruchter, A S., **359,** 303
Garcia, R R. Global change: Middle atmosphere cooling. *News and views,* **357,** 18
Garcia-Ruiz, J M. 'Peacock' viscous fingers. *Scientific correspondence,* **356,** 113
Gardiner, K. *See under* Chumakov, I., **359,** 380
Gardinier, C F. *See under* Graebner, J E., **359,** 401
Gardner, M. *Book review of* The art of mathematics (*by* King, J P) **358,** 28
Book review by Gratzer, W. **358,** 380
Book review of Spontaneous human combustion (*by* Randles, J) **360,** 396
Garik, P. *See under* Bhaskar, K R., **360,** 458
Garito, A F. *See under* Heflin, J R., **356,** 192
See under Rodenberger, D C., **359,** 309
Garland, C W. *See under* Wen, X., **355,** 426
Garland, P. Obituary: Peter Mitchell (1920-1992) . *News and views,* **356,** 747
Garnaes, J. Domain boundaries and buckling superstructures in Langmuir-Blodgett films. (*with* Schwartz, D K, Viswanathan, R, Zasadzinski, J A N) *Letter to Nature,* **357,** 54
Garner, C. Epidemiology: Molecular potential. *News and views,* **360,** 207
Garred, O. *See under* Sandvig, K., **358,** 510
Garrett, T P J. *See under* Guo, H-C., **360,** 364
Garrido, J L. *See under* Battaner, E., **360,** 652
Garrington, S. Active galaxies: Invisible jet sheds new light.

News and views, **355**, 771
Two types of extragalactic jets. *News and views*, **355**, 771
Garritt, R H. *See under* Van Dover, C L., **360**, 153
Garrity, R. *See under* Nara, P., **360**, 215
Garten, W. *See under* Hallenberger, S., **360**, 358
Garven, G. *See under* Sverjensky, D A., **356**, 481
Garwin, L. Nobel prizes go to Caltech chemist, CERN physicist. (*with* Finn, R) *News*, **359**, 664
See under Ball, P., **355**, 761
Garwin, R L. Fermi's mistake?. *Correspondence*, **355**, 668
Gasch, A. *See under* Nikolov, D B., **360**, 40
Gascoigne, N R J. *See under* Irwin, M J., **359**, 841
Gasic, G. *See under* Bargiello, T A., **360**, 610
See under Saez, L., **360**, 542
Gaston, K J. Taxonomy of taxonomists. (*with* May, R M) *Commentary*, **356**, 281
Gatter, K C. *See under* Fawcett, J., **360**, 481
Gault, A. *See under* Nabavi, N., **360**, 266
Gavish, H. *See under* Strathdee, C A., **356**, 763
See under Strathdee, C A., **358**, 434
Geballe, T R. *See under* van Kerkwijk, M H., **355**, 703
Geddes, D M. *See under* Dorin, J R., **359**, 211
Gee, H. Out of the frying pan. *News and views*, **357**, 541
The objective case for conservation. *News and views*, **357**, 639
Palaeontology: Something completely different. *News and views*, **358**, 456
Hydra and the homeobox. *News and views*, **358**, 539
By their teeth ye shall know them. *News and views*, **360**, 529
Book review by **360**, 544
UK systematic biology: Peers slam peer review. *News*, **355**, 488
Statistical cloud over African Eden. *News and views*, **355**, 583
Gee, J H R. Authors by right. *Correspondence*, **355**, 290
Geer, R. Liquid-hexatic phase transitions in single molecular layers of liquid-crystal films. (*with* Stoebe, T, Huang, C C, Pindak, R, Goodby, J W, Cheng, M, Ho, J T, Hui, S W) *Letter to Nature*, **355**, 152
Gehring, W J. *See under* Schier, A F., **356**, 804
Geibel, G. *See under* He, Y., **357**, 227
Geist, V. Endangered species and the law. *Commentary*, **357**, 274
Gelfand, V I. Cell biology: Every motion has its motor. (*with* Scholey, J M) *News and views*, **359**, 480
Gelfi, J. *See under* Delmas, B., **357**, 417
Gellner, E. *Book review of* Irrationality: The enemy within (*by* Sutherland, S) **360**, 384
Gendner, J-P. *See under* Ancel, A., **360**, 336
Genel, M. *See under* Ferguson-Smith, M A., **355**, 10
Gent, M E. *See under* Oliver, S G., **357**, 38
Genut, M. *See under* Tenne, R., **360**, 444
Genzel, R. *See under* Eckart, A., **355**, 526
Geoghegan, K F. *See under* Dhanaraj, V., **357**, 466
See under Mottonen, J., **355**, 270
George, D L. *See under* Oliner, J D., **358**, 80
Gérard, C. *See under* Parmentier, M., **355**, 453
Gerard, R D. *See under* Mottonen, J., **355**, 270
Gerhard, W. *See under* Weber, S., **356**, 793
Gerlitz, B. *See under* Richardson, M A., **360**, 261
Gerloff, D. *See under* Benner, S A., **359**, 781
Germain, R N. *See under* König, R., **356**, 796
German, C R. *See under* Murton, B J., **358**, 629
Germino, F J. *See under* Aso, T., **355**, 461
Gershon, D. Drug development: Drugs tested for women. *News*, **355**, 287
Drug development: Orphan drug windfalls?. *News*, **355**, 381
Gene therapy panel: NIH merger to shorten review. *News*, **355**, 664
See under Anderson, C., **355**, 486
FDA reforms: Private doubts, public support. *News*, **356**, 279
Agricultural biotech: Programme aids developing world. *News*, **356**, 735
Genetically engineered foods get green light. *News*, **357**, 352
Biotechnology leads the way as state moves beyond ground-based economy. *Commentary*, **357**, 626
Houston breeds biotechnology hot shots. *Commentary*, **357**, 629
New biotechnology institute at Rice promotes interdisciplinary studies. *Commentary*, **357**, 630
San Antonio aims for spot on high-technology map. *Commentary*, **357**, 638
If biological diversity has a price, who sets it and who should benefit?. *News*, **359**, 565
User fees to hasten FDA review. *News*, **359**, 567
Perkin-Elmer to buy Applied Biosystems to broaden markets. *News*, **359**, 570
Bovine growth hormone meets new safety concerns. *News*, **358**, 614
Frustrated by regulatory delays at FDA, biotech companies warm to user fees. *News*, **358**, 616
Biotechnology soared and fell in a roller-coaster 12 months. *News*, **360**, 200
Transfer of technology is booming business as NIH asks companies to help themselves. *News*, **359**, 187
User fees advance in Congress. *News*, **359**, 261
Researchers urge boycott of supply company in labour dispute with warehouse employees. *News*, **360**, 290
Gervy, P. *See under* Chumakov, I., **359**, 380
Gesnouin, P. *See under* Chumakov, I., **359**, 380
Gething, M-J. Protein folding in the cell. (*with* Sambrook, J) *Review article*, **355**, 33
Getzoff, E D. Faster superoxide dismutase mutants designed by enhancing electrostatic guidance. (*with* Cabelli, D E, Fisher, C L, Parge, H E, Viezzoli, M S, Banci, L, Hallewell, R A) *Letter to Nature*, **358**, 347
Geuze, H J. *See under* Kleijmeer, M J., **357**, 342
Ghee, M. *See under* Miller, D M., **355**, 841
Gherardi, E. Original and artificial antibodies. (*with* Milstein, C) *Scientific correspondence*, **357**, 201
Ghesquiere, J. *See under* Gouaux, P., **359**, 201
Ghil, M. *See under* Keppenne, C L., **358**, 547
Ghim, S H. *See under* Watkins, D I., **357**, 329
Ghosh, R. *See under* Cowan, S W., **358**, 727
Ghysen, A. *See under* Nottebohm, E., **359**, 829
Giacosa, A. *Journal review by* Kinlen, L J., **359**, 443
Giardina, B. Protein engineering in haemoglobin. (*with* Scatena, R, Clementi, M E, Cerroni, L, Condo, S G, Nuutinen, M, Brix, O) *Scientific correspondence*, **355**, 777
Gibb, A J. *See under* Edwards, F A., **359**, 144
Gibbs, R. *Journal review by* Sarkar, G., **359**, 447
Gibson, J A E. Early nanotubes?. *Scientific correspondence*, **359**, 369
Gibson, W M. *See under* Chen, H., **357**, 391
Gierasch, L M. *See under* Landry, S J., **355**, 455
Gierschik, P. *See under* Camps, M., **360**, 684
Gigot, D. *See under* Oliver, S G., **357**, 38
Gilbert, C D. Receptive field dynamics in adult primary visual cortex. (*with* Wiesel, T N) *Letter to Nature*, **356**, 150
Gilbert, S. *See under* Birnbaumer, M., **357**, 333
Gilbert, S F. *Book review by* Mittwoch, U. **356**, 671
Gilkeson, C F. *See under* Godthelp, H., **356**, 514
Gille, H. Phosphorylation of transcription factor $p62^{TCF}$ by MAP kinase stimulates ternary complex formation at *c-fos* promoter. (*with* Sharrocks, A D, Shaw, P E) *Letter to Nature*, **358**, 414
Gillespie, J H. *Book review by* Eanes, W F, **359**, 116
Gillespie, R G. Impaled prey. *Scientific correspondence*, **355**, 212
Gillett, R. British academic morale and pay. *Correspondence*, **356**, 280
Gillett, R W. *See under* Ayers, G P., **360**, 446
Gilliquet, " *See under* Oliver, S G., **357**, 38
Gillis, J M. ...
Gillispie, C C. ...*ok review of* Science under control: The French Academy of Sciences 1795-1914 (*by* Crosland, M) **357**, 652
Gillow, J B. *See under* Francis, A J., **356**, 140
Gilmore, C J. *See under* Dong, W., **355**, 605
Gilmore, D. *See under* Crawford, E., **357**, 272
Gilmore, G. Is beryllium in metal-poor stars of galactic or cosmological origin?. (*with* Gustafsson, B, Edvardsson, B, Nissen, P E) *Article*, **357**, 379
Cosmochemistry: Lithium given and taken away. *News and views*, **358**, 108
Gilmour, R S. *See under* Martelli, A M., **358**, 242
Gilsdorf, J R. Vaccine errors. (*with* Marrs, C F) *Correspondence*, **359**, 99
Gimble, F S. Homing of a DNA endonuclease gene by meiotic gene conversion in *Saccharomyces cerevisiae*. (*with* Thorner, J) *Article*, **357**, 301
Gimpel, S D. *See under* Armitage, R J., **357**, 80
Giner, A. *See under* Luirink, J., **359**, 741
Gingerich, O. *Book review of* Space, time and man: A prehistorian's view (*by* Clark, G) **358**, 381
Gingerich, P D. *See under* Koch, P L., **358**, 319
Ginns, E I. *See under* Tybulewicz, V L J., **357**, 407
Ginsberg, D M. *See under* Durán, C A., **357**, 474
Giorgi, P P. Reproductive biology: Sex and the male stick insect. *News and views*, **357**, 444
Giustolisi, R. *See under* Amadori, S., **355**, 581
Gize, A P. Ore geology: A little rain must fall. *News and views*, **358**, 370
Gladwin, M T. *See under* Gwyther, R L., **356**, 142
Glansdorff, N. *See under* Oliver, S G., **357**, 38
Glantz, M H. *Book review by* Shepherd, J G. **358**, 292
Glarum, S. *See under* Kortan, A R., **360**, 566
See under Kortan, A R., **355**, 529
Glasgow Jr, H B. *See under* Burkholder, J-A M., **358**, 407; *Correction*, **360**, 768
Glashow, S L. *Journal review by* Barnard, T., **359**, 463
Glatt, C E. *See under* Steiner, J P., **358**, 584
Glazebrook, K. *See under* Broadhurst, T J., **355**, 55
Glazer, A N. Stable dye-DNA intercalation complexes as reagents for high-sensitivity fluorescence detection. (*with* Rye, H S) *Product review*, **359**, 859
Glegg, S A L. *See under* Buckingham, M J., **356**, 327
Gleick, J. *Book review by* Schweber, S S, **360**, 375
Glennon, R A. *Journal review by* James, K., **359**, 458
Glew, S S. HLA antigens and cervical carcinoma. (*with* Stern, P L, Davidson, J A, Dyer, P A) *Scientific correspondence*, **356**, 22
Glimcher, L H. *See under* Nabavi, N., **360**, 266
Glimcher, P W. Movement selection in advance of action in the superior colliculus. (*with* Sparks, D L) *Letter to Nature*, **355**, 542
Glover, D M. *See under* Selleck, S B., **355**, 253
Glover, P W J. Electrical conductivity of carbon-bearing granulite at raised temperatures and pressures. (*with* Vine, F J) *Letter to Nature*, **360**, 723
Glover, T W. *See under* Basu, T N., **356**, 713
Gluyas, J. Material flux and porosity changes during sediment diagenesis. (*with* Coleman, M) *Letter to Nature*, **356**, 52
Glynn, P. *Book review by* Freedman, L., **360**, 386
Gobbi, M. *See under* Amadori, S., **355**, 581
Godfray, H C J. Long time series reveal density dependence. (*with* Hassell, M P) *News and views*, **359**, 673
Evolutionary biology: Strife among siblings. *News and views*, **360**, 213
Animal behaviour: The evolution of forgiveness. *News and views*, **355**, 206
Godfrey, D. *See under* Nabavi, N., **360**, 266
Godfrey, D I. *See under* Hugo, P., **360**, 679
Godfrey, J. Support for Russia *et al.*. (*with* Hazhakyan, A M) *Correspondence*, **355**, 195
Godfrey, S J. Fossilized eggs from Illinois. *Scientific correspondence*, **356**, 21
Godinot, M. Earliest known simian primate found in Algeria. (*with* Mahboubi, M) *Letter to Nature*, **357**, 324
Godthelp, H. Earliest known Australian Tertiary mammal fauna. (*with* Archer, M, Cifelli, R, Hand, S J, Gilkeson, C F) *Letter to Nature*, **356**, 514
See under Pascual, R., **356**, 704
Goebl, M. *See under* Shibuya, H., **357**, 700
Goes, J. *See under* Platt, T., **356**, 229
Goffeau, A. *See under* Oliver, S G., **357**, 38
Goffinet, A M. Insensitive ads. *Correspondence*, **356**, 653
Goldberg, A L. *See under* Sherman, M Y., **357**, 167
Proteolysis, proteasomes and antigen presentation. (*with* Rock, K L) *Review article*, **357**, 375
Goldberg, D. *See under* Gross, E., **360**, 762
Goldberg, R. *See under* Rind, D., **358**, 119
Goldberg, R B. *See under* Mariani, C., **357**, 384
Goldberger, A L. *See under* Peng, C-K., **356**, 168
Goldman, N. Human origins: Genetics and geography. (*with* Barton, N H) *News and views*, **357**, 440
Goldshtik, M. Loss of homogeneity in a suspension by kinematic action. (*with* Husain, H S, Hussain, F) *Letter to Nature*, **357**, 141
Goldsmith, E J. *See under* Mottonen, J., **355**, 270
Goldsmith, J R. Air pollutants and lung cancer. *Correspondence*, **358**, 706
Goldstein, B. Induction of gut in *Caenorhabditis elegans* embryos. *Letter to Nature*, **357**, 255
Goldstein, L S B. Cell biology: New cytoskeletal liaisons. (*with* Vale, R D) *News and views*, **359**, 193
Golinski, J. *Book review by* Harman, P, **359**, 785
Golubitsky, M. *See under* Stewart, I., **360**, 545
Gomis-Rüth, F X. *See under* Bode, W., **358**, 164
Gondol, D. *See under* Habazettl, J., **359**, 885
Gonzalez, C. *See under* Selleck, S B., **355**, 253
Gonzalez, F J. *Journal review by* Phillips, I R., **359**, 444
Gonzalez, W D. *See under* Tsurutani, B T., **358**, 26
Gonzalez-Crussi, F. *Book review of* Biological anomalies: Humans I. A catalog of biological anomalies (*by* Corliss, W R) **358**, 461
Gonze, X. *See under* Lenosky, T., **355**, 333
Goodacre, R. Neural networks and olive oil. (*with* Kell, D B, Bianchi, G) *Scientific correspondence*, **359**, 594
Goodall, C V. *See under* Cooke, B A., **355**, 61
Goodby, J W. *See under* Geer, R., **355**, 152
Goodell, M A. *See under* Jacks, T., **359**, 295
Goodenough, U. *Book review by* **360**, 427
Goodfellow, P N. Variation is now the theme. *News and views*, **359**, 777
See under Foster, J W., **359**, 531
See under Walter, M A., **355**, 590
Goodfriend, G A. Rapid racemization of aspartic acid in mollusc shells and potential for dating over recent centuries. *Letter to Nature*, **357**, 399
Goodhart, C B. Rethinking Burt. *Correspondence*, **356**, 652
Sex and gender. *Correspondence*, **359**, 182
Burt files reopened. *Correspondence*, **355**, 103
Goodhead, D T. *See under* Kadhim, M A., **355**, 738
Goodman, C S. *See under* Patel, N H., **357**, 339
Goodman, R E. Nature of human sexuality. *Correspondence*, **355**, 103
Goodman, S L. What to believe of science. *Correspondence*, **358**, 271
Goodrich, D W. Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53. (*with* Lee, W -H) *Letter to Nature*, **360**, 177
Erratum: Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53. (*with* Lee, W -H) *Letter to Nature*, **360**, 491
Goodstein, J R. *Book review by* Regis, E, **356**, 629
Goodwin, B. *Book review of* Molds, molecules, and metazoa: Growing points in evolutionary biology (*by* Grant, P R) **359**, 204
Goodwin, F K. Animal lib and racial bigotry. *Correspondence*, **356**, 651
Goodwin, L. *Book review of* The malaria capers: More tales of parasites and people, research and reality (*by* Desowitz, R S) **356**, 300
356, 300
Goodwin, M B. *See under* Horner, J R., **358**, 59
Gordan, N F. *See under* Afeyan, N B., **358**, 603
Gordon, A. APC mutations. *Scientific correspondence*, **358**, 288
Gordon, A G. Dirty habits. *Correspondence*, **355**, 196
Gordon, B. *See under* Hart Jr, J., **359**, 60

Gordon, J W. *See under* Kawabata, S., **356,** 23
See under Kawabata, S., **356,** 265
Gordon, S G. *Journal review by* Heptinstall, S., **359,** 447
Gorelick, F S. *See under* Benfenati, F., **359,** 417
Gorga, J C. *See under* Chicz, R M., **358,** 764
Göringer, H U. *See under* Koslowsky, D J., **356,** 807
Görlich, D. A protein of the endoplasmic reticulum involved early in polypeptide translocation. (*with* Hartmann, E, Prehn, S, Rapoport, T A) *Article,* **357,** 47
Gorman, E. *See under* Sievering, H., **360,** 571
Gormley, A M. *See under* Tiveron, M-C., **355,** 745
Gorski, T. Motion sickness. *Correspondence,* **355,** 195
Gosden, R G. AIDS and malaria experiments, *Scientific correspondence,* **355,** 305
Gosselé, V. *See under* Mariani, C., **357,** 384
Goswell, R. *Journal review of* Journal of wine research. (*Edited by* Morris, J, Unwin, T) **359,** 449
Gotch, F M. *See under* Hill, A V S., **360,** 434
Goto, M. Genetic linkage of Werner's syndrome to five markers on chromosome 8. (*with* Rubenstein, M, Weber, J, Woods, K, Drayna, D) *Letter to Nature,* **355,** 735
Goto, T. *See under* Kondo, T., **358,** 515
Gotoh, Y. *See under* Overney, R M., **359,** 133
Gottlieb, L D. *See under* Ford, V S., **358,** 671
Goubau, P. HTLV-II among pygmies. (*with* Desmyter, J, Ghesquiere, J, Kaseteka, B) *Scientific correspondence,* **359,** 201
Goudie, A S. *Book review of* Geomorphic responses to climate change (*by* Bull, W B) **358,** 382
Goudsmit, J. *See under* Nara, P., **360,** 215
Gould, S J. Recovering Bacon's paradox. *Correspondence,* **356,** 653
355, 215
Gould, W J. *See under* Read, J F., **360,** 55
Goulmy, E. *See under* Momburg, F., **360,** 174
Gourlay, J A. *See under* Cooke, B A., **355,** 61
Gout, I. *See under* Booker, G W., **358,** 684
Graber, P. *See under* Aubry, J-P., **358,** 505
Grabstein, K H. *See under* Armitage, R J., **357,** 80
Graebner, J E. Large anisotropic thermal conductivity in synthetic diamond films. (*with* Jin, S, Kammlott, G W, Herb, J A, Gardinier, C F) *Letter to Nature,* **359,** 401
Graf, W. *See under* Oerter, H., **358,** 399
Grafen, A. Behavioural ecology: Of mice and the MHC. *News and views,* **360,** 530
Graham, J. *Book review by* Galloway, J W, **356,** 206
Graham, P W. *Book review by* Neve, M, **358,** 199
Grahame-Smith, D G. *See under* Bloom, F E., **358,** 184
Grandea III, A G. *See under* Vukmanovic, S., **359,** 729
Grandinetti, P J. *See under* Farnan, I., **358,** 31
Grant, M C. Even larger organisms. (*with* Mitton, J B, Linhart, Y B) *Scientific correspondence,* **360,** 216
Grant, P R. *Book review by* Goodwin, B, **359,** 204
Grassle, J F. *See under* Van Dover, C L., **360,** 153
See under Etter, R J., **360,** 576
Gratton, S. *See under* Haughn, L., **358,** 328
Gratzer, W. *Book review of* Ein genie irrt seltener .. Otto Heinrich Warburg: Ein lebensbild in dokumenten (*by* Werner, P) **356,** 640
Book review of On the wild side (*by* Gardner, M) **358,** 380
Book review of C P Snow and the struggle of modernity (*by* de la Mothe, J) **360,** 385
355, 308
Graupner, G. *See under* Zhang, X-k., **358,** 587
See under Zhang, X-k., **355,** 441
Graur, D. *See under* Li, W-H., **359,** 277
Gray, J. Consciousness on the scientific agenda. *News and views,* **358,** 277
Gray, J A. *See under* Bloom, F E., **358,** 184
Grbic, M. Sibling rivalry and brood sex ratios in polyembryonic wasps. (*with* Ode, P J, Strand, M R) *Letter to Nature,* **360,** 254
Greaves, G N. *See under* Vessal, B., **356,** 504
Greco, V. Optical tests of Galileo's lenses. (*with* Molesini, G, Quercioli, F) *Commentary,* **358,** 101
Green, D R. *See under* Bissonnette, R P., **359,** 552
Green, E. *Journal review by* Sarkar, G., **359,** 447
Green, M H L. *See under* Carr, A M., **359,** 486
Green, M R. *See under* Kim, S-J., **358,** 331
Gene regulation: Transcriptional transgressions. *News and views,* **357,** 364
See under Zamore, P D., **355,** 609
Green, P. *See under* Sulston, J., **356,** 37
Green, R W E. *See under* de Wit, M J., **357,** 553
Greenberg, D S. *Book review of* Route 128: Lessons from Boston's high-tech community (*by* Rosegrant, S) **358,** 462
Greenblatt, J. Transcription: Riding high on the TATA box. *News and views,* **360,** 16
See under Finkelstein, A., **355,** 464
Greene, B M. *See under* Gao, F., **358,** 495
Greene, M T. *Book review by* Temple, R, **357,** 204
Greengard, P. *See under* Benfenati, F., **359,** 417
Greensmith, L. *See under* Vrbová, G., **360,** 216
Greenwald, I. Concentrating mammalian urine. *Scientific correspondence,* **356,** 295
Greenwood, A. *See under* Harris, L J., **360,** 369
Greenwood, B M. *See under* Hill, A V S., **360,** 434
See under Hill, A V S., **355,** 403
Greenwood, J J D. Natural selection: In the pink (and yellow). *News and views,* **357,** 192
Gregory, M W. The infectiousness of pompous prose. *Commentary,* **360,** 11
Greidanus, H. *See under* Strom, R G., **358,** 654
Grenfell, B T. Overcompensation and population cycles in an ungulate. (*with* Price, O F, Albon, S D, Clutton-Brock, T H) *Letter to Nature,* **355,** 823
Grenson, M. *See under* Oliver, S G., **357,** 38
Gribbin, J. *See under* White, M., **356,** 25
See under Davies, P., **356,** 632
CFCs active. *Correspondence,* **357,** 272
. *Book review by* Petrasso, R D, **355,** 29
Grice, R. Reaction dynamics: Collision complexes clocked in real time. *News and views,* **359,** 584
Grief, G G. *See under* Fowler, G J S., **355,** 848
Griffin, D R. *Book review by* Whiten, A, **360,** 118
Griffin, L C. *See under* Bock, L C., **355,** 564
Griffith, D L. *See under* Griffith, J P., **355,** 652
Griffith, J P. Inside polyomavirus at 25-Å resolution. (*with* Griffith, D L, Rayment, I, Murakami, W T, Caspar, D L D) *Letter to Nature,* **355,** 652
Griffith, W P. *Book review of* Oxygen chemistry (*by* Sawyer, D T) **356,** 298
Griffiths, I. *See under* Schneider, A., **358,** 758
Grigal, D F. *See under* Nater, E A., **358,** 139
Grigoriadis, A E. *See under* Wang, Z-Q., **360,** 741
Grimas, L. *See under* Chumakov, I., **359,** 380
Grinnell, B W. *See under* Richardson, M A., **360,** 261
Grippo, J F. *See under* Levin, A A., **355,** 359
Grisanti, P. *See under* Oliver, S G., **357,** 38
Grivell, L A. *See under* Oliver, S G., **357,** 38
Groom, C R. *See under* Böckkei, Z., **360,** 186
Groote, D. *See under* Reimers, D., **360,** 561
Groosegoed, A. *See under* Parmentier, M., **355,** 453
Gross, E. Phosphorylation of the *S. cerevisiae* Cdc25 in response to glucose results in its dissociation from Ras. (*with* Goldberg, D, Levitzki, A) *Letter to Nature,* **360,** 762
Gross, J A. *See under* Harding, F A., **356,** 607
Gross, M. *Nature* for non-English speakers. *Correspondence,* **360,** 203
Grossman, S R. *See under* Hegde, R S., **359,** 505
Grosveld, F. *See under* Berry, M., **358,** 499
See under Tiveron, M-C., **355,** 745
Grubb, M. Climate change. *Correspondence,* **358,** 448
Journal review of Global environmental change: Human and policy dimensions. (*Edited by* Mitchell, J K) **359,** 462
Grunewald, B. *See under* Leptin, M., **355,** 777
Gruss, P. *See under* Tassabehji, M., **355,** 635
Gryzbowska, E. *See under* Perera, F P., **360,** 256
Gründer, S. *See under* Thiemann, A., **356,** 57
Regions involved in the opening of ClC-2 chloride channel by voltage and cell volume. (*with* Thiemann, A, Pusch, M, Jentsch, TJ) *Letter to Nature,* **360,** 759
Grütter, M G. *See under* Schlunegger, M P., **358,** 430
Guan, H-C. *See under* Van Tol, H H M., **358,** 149
Guan, J-L. Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation. (*with* Shalloway, D) *Letter to Nature,* **358,** 690
Guardiola, J. *See under* Cammarota, G., **356,** 799
Guasconi, G. *See under* Chumakov, I., **359,** 380
Gubarev, M V. *See under* Chen, H., **357,** 391
Gubb, I R. *See under* Wildon, D C., **360,** 62
Guenther, D B. Astrophysics: Stellar opacities in a flash. *News and views,* **359,** 585
Guggino, W B. *See under* Egan, M., **358,** 581
Guild, G. Gene regulation: Ecdysone and the onion. (*with* Richards, G) *News and views,* **357,** 539
Guillou, S. *See under* Chumakov, I., **359,** 380
Guiot, J. *See under* Prentice, I C., **360,** 658
Gulisano, M. *See under* Simeone, A., **358,** 687
Guadersen, J K. Mats of giant sulphur bacteria on deep-sea sediments due to fluctuating hydrothermal flow. (*with* Jørgensen, B B, Larsen, E, Jannasch, H W) *Letter to Nature,* **360,** 454
Gunderson, C A. *See under* Norby, R J., **357,** 322
Gundestrup, N. *See under* Johnsen, S J., **359,** 311
Gunn, G J. *See under* Codd, G A., **359,** 110
Güntherodt, H-J. *See under* Overney, R M., **359,** 133
Guo, H-C. Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle. (*with* Jardetzky, T S, Garrett, T P J, Lane, W S, Strominger, J L, Wiley, D C) *Letter to Nature,* **360,** 364
See under Silver, M L., **360,** 367
Guo, X-H. Sizing single DNA molecules. (*with* Huff, E J, Schwartz, D C) *Scientific correspondence,* **359,** 783
Gurd, J M. Neuropsychology: Drawing upon the mind's eye. (*with* Marshall, J C) *News and views,* **359,** 590
Gussoni, E. Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation. (*with* Pavlath, G K, Lanctot, A M, Sharma, K R, Miller, R G, Steinman, L, Blau, H M) *Letter to Nature,* **356,** 435
Gustafson-Brown, C. *See under* Mandel, M A., **360,** 273
Gustafsson, B. *See under* Gilmore, G., **357,** 379
Gustafsson, G. Flexible light-emitting diodes made from soluble conducting polymers. (*with* Cao, Y, Treacy, G M, Klavetter, F, Colaneri, N, Heeger, A J) *Letter to Nature,* **357,** 477
Gutas, D. *See under* Fortenbaugh, W., **359,** 489
Guthrie, S. Neuroectodermal autonomy of *Hox-2.9* expression revealed by rhombomere transpositions. (*with* Muchamore, I, Kuroiwa, A, Marshall, H, Krumlauf, R, Lumsden, A) *Letter to Nature,* **356,** 157
Gutierrez de la Cruz, C M. *See under* Watson, R A., **357,** 660
Gutmann, D H. *See under* Basu, T N., **356,** 713
Guzik, S K. *See under* Marsh, R L., **357,** 411
Gwynn, B. *See under* Wolfe, J H., **360,** 749
Gwynne, D T. *Book review of* The evolution of life histories (*by* Stearns, S C) **359,** 27
Gwynne, P. Chinese reforms: Scientists emerge with favoured status. *News,* **356,** 275
China: Yangtze project dammed with faint praise. (*with* Li, Y Q) *News,* **356,** 736
Gwyther, R L. A shear-strain anomaly following the Loma Prieta earthquake. (*with* Gladwin, M T, Hart, R H G) *Letter to Nature,* **356,** 142
Gyapay, G. *See under* Weissenbach, J., **359,** 794
Gyftopoulos, E P. *Book review by* Landsberg, P T, **356,** 28
Gymer, R W. *See under* Burn, P L., **356,** 47
Gyorgy, E M. *See under* Kortan, A R., **360,** 566
See under Kortan, A R., **355,** 529
Györgyi, L. A three-variable model of deterministic chaos in the Belousov-Zhabotinsky reaction. (*with* Field, R J) *Letter to Nature,* **355,** 808
Haarer, D. Spectroscopy: Molecular computer memory. *News and views,* **355,** 297
Haas, O A. Parental origin of chromosomes involved in the translocation t(9;22). (*with* Argyriou-Tirita, A, Lion, T) *Letter to Nature,* **359,** 414
Haasemann, M. *See under* Oliver, S G., **357,** 38
Haass, C. Targeting of cell-surface ß-amyloid precursor protein to lysosomes: alternative processing into amyloid-bearing fragments. (*with* Koo, E H, Mellon, A, Hung, A Y, Selkoe, D J) *Letter to Nature,* **357,** 500
Amyloid ß-peptide is produced by cultured cells during normal metabolism. (*with* Schlossmacher, M G, Hung, A Y, Vigo-Pelfrey, C, Mellon, A, Ostaszewski, B L, Lieberburg, I, Koo, E H, Schenk, D, Teplow, D B, Selkoe, D J) *Letter to Nature,* **359,** 322
See under Citron, M., **360,** 672
Habazetti, J. Structure of hisactophilin is similar to interleukin-1ß and fibroblast growth factor. (*with* Gondol, D, Wiltscheck, R, Otlewski, J, Schleicher, M, Holak, T A) *Letter to Nature,* **359,** 885
Hackmann, W. *Book review of* Innovation as a social process: Elihu Thomson and the rise of General Electric 1870-1900 (*by* Carlson, W B) **356,** 631
Hackmann, W D. *Book review of* The ambiguous frog: The Galvani-Volta controversy on animal electricity (*by* Pera, M) **356,** 26
Haddon, R C. *See under* Kortan, A R., **360,** 566
See under Kortan, A R., **355,** 529
Hadley, S W. Hadley protests. *Correspondence,* **356,** 556
Haerendel, G. Weakly damped Alfvén waves as drivers of solar chromospheric spicules. *Letter to Nature,* **360,** 241
Hafen, E. *See under* Dickson, B., **360,** 600
Hagan, I. Kinesin-related cut7 protein associates with mitotic and meiotic spindles in fission yeast. (*with* Yanagida, M) *Letter to Nature,* **356,** 74
Hagan, J. *See under* Punch, M., **358,** 477
Hagelberg, C. *See under* Bennett, A., **360,** 423
Hagen, H-J. *See under* Reimers, D., **360,** 561
Haglund, M M. Optical imaging of epileptiform and functional activity in human cerebral cortex. (*with* Ojemann, G A, Hochman, D W) *Letter to Nature,* **358,** 668
Hahn, B H. *See under* Gao, F., **358,** 495
Hahn, K. Patterns of elevated free calcium and calmodulin activation in living cells. (*with* DeBiasio, R, Lansing Taylor, D) *Letter to Nature,* **359,** 736
Haigh, D G. *Journal review by* Holburn, D., **359,** 455
Haina, A. *See under* Menger, F M., **359,** 666
Haisch, B. Disappearance of coronal X-ray emission in stars with cool dense winds. (*with* Schmitt, J H M M, Fabian, A C) *Letter to Nature,* **360,** 239
Hajivassiliou, C A. Distribution of plasma turbulence in our Galaxy derived from radio scintillation maps. *Letter to Nature,* **355,** 232
Håkansson, T. *See under* Madsen, T., **355,** 440
Hall, A R. *Book review of* Descartes' metaphysical physics (*by* Garber, D) **358,** 633
Hall, B D. *See under* Butler, J H., **359,** 403
Hall, D L CH˙ in the Red Rectangle. (*with* Miles, J R, Sarre, P J, Fossey, S J) *Scientific correspondence,* **358,** 629
Hall, D N B. *See under* Hodapp, K-W., **355,** 707
Hall, D O. *Journal review by* Betts, W B., **359,** 462
Hall, G. *Book review by* Sutherland, S, **356,** 118
Hall, Z W., *Book review by* Hanley, M R, **359,** 686
Hallenberger, S. Inhibition of furin-mediated cleavage activation of HIV-1 glycoprotein gp160. (*with* Bosch, V, Angliker, H, Shaw, E, Klenk, H-D, Garten, W) *Letter to Nature,* **360,** 358
Hallewell, R A. *See under* Getzoff, E D., **358,** 347
Halliday, A N. Lead isotope evidence for young trace element enrichment in the oceanic upper mantle. (*with* Davies, G R, Lee, D-C, Tommasini, S, Paslick, C R, Fitton, J G, James, D E) *Letter to Nature,* **359,** 623
Halloran, N. *See under* Sulston, J., **356,** 37
Halpern, J P. Discovery of soft X-ray pulsations from the gamma-ray source Geminga. (*with* Holt, S S) *Letter to Nature,* **357,** 222
Halzen, F. Gamma-ray astronomy: Catching photons from hell. *News and views,* **358,** 452
Hambler, C. Sustainable populations?. *Scientific correspon-*

dence, **356,** 294
Hamburger, J. *Book review by* Porter, R. **360,** 382
Hamilton, K K. A eukaryotic DNA glycosylase/lyase recognizing ultraviolet light-induced pyrimidine dimers. (*with* Kim, P M H, Doetsch, P W) *Letter to Nature*, **356,** 725
Hamilton, S R. *See under* Powell, S M., **359,** 235
Hammarback, J A. *See under* Holzbaur, E L F., **360,** 695
Hammer, C U. *See under* Johnsen, S J., **359,** 311
Hammer, R E. *See under* Lawn, R M., **360,** 670
Hämmerling, G. *See under* Heath, W R., **359,** 547
Hämmerling, G J. *See under* Momburg, F., **360,** 174
Hammett, S T. *See under* Snowden, R J., **355,** 248
Hammitt, J K. A sequential-decision strategy for abating climate change. (*with* Lempert, R J, Schlesinger, M E) *Letter to Nature*, **357,** 315
Hamon, P. *See under* Dingeon, B., **358,** 447
Hampikian, G K. *See under* Foster, J W., **359,** 531
Han, R. Linkage of regression and malignant conversion of rabbit viral papillomas to MHC class II genes. (*with* Breitburd, F, Marche, P N, Orth, G) *Letter to Nature*, **356,** 66
Hanafusa, H. *See under* Waksman, G., **358,** 646
Hanbury Brown, R. *Book review of* Unusual telescopes (*by* Manly, P L) **356,** 205
Hancock, J M. *See under* McArthur, J M., **355,** 28
Hancock, S. *See under* Watson, R A., **357,** 660
Hand, S J. *See under* Godthelp, H., **356,** 514
See under Pascual, R., **356,** 704
Handberg, R. Hanging out for the hypersonic plane. (*with* Johnson-Freese, J, Webb, D C) *Commentary*, **355,** 491
Hanley, M R. *See under* Sharif, M., **357,** 279
Book review of Neurons and networks: an introduction to neuroscience (*by* Dowling, J E) **359,** 686
Book review of The neuron: cell and molecular biology (*by* Levitan, I B) **359,** 686
359, 686
Hann, B C. *SEC65* gene product is a subunit of the yeast signal recognition particle required for its integrity. (*with* Stirling, C J, Walter, P) *Letter to Nature*, **356,** 532
Hannay, T. *See under* Larkman, A., **360,** 70
Hansell, D P. Counting the numbers. *Correspondence*, **358,** 365
Hansen, K. *See under* Yeretzian, C., **359,** 44
Hansen, S H. *See under* Sandvig, K., **358,** 510
Hanski, I. *Book review by* Coe, M. **355,** 309
Hanson, A P. *See under* Gao, F., **358,** 495
Hanson, I M. *See under* Hill, R E., **355,** 750
Harada, A. The molecular necklace: a rotaxane containing many threaded α-cyclodextrins. (*with* Li, J, Kamachi, M) *Letter to Nature*, **356,** 325
Harada, K. Real-time observation of vortex lattices in a superconductor by electron microscopy. (*with* Matsuda, T, Bonevich, J, Igarashi, M, Kondo, S, Pozzi, G, Kawabe, U, Tonomura, A) *Letter to Nature*, **360,** 51
Haraguchi, M. *See under* Furukawa, T., **356,** 668
harbor, J. Glaciation and denudation rates. (*with* Warburton, J) *Scientific correspondence*, **356,** 751
Harding, A K. Can accretion onto isolated neutron stars produce gamma-ray bursts?. (*with* Leventhal, M) *Letter to Nature*, **357,** 388
Harding, C W. **355,** 689
Harding, F A. CD28-mediated signalling co-stimulates murine T cells and prevents induction of anergy in T-cell clones. (*with* McArthur, J G, Gross, J A, Raulet, D H, Allison, J P) *Letter to Nature*, **356,** 607
Hardy, J. **356,** 670
See under Crawford, F., **356,** 390
Alzheimer's disease: In search of the soluble. (*with* Mullan, M) *News and views*, **359,** 268
Hare, J P. *See under* Taylor, R., **355,** 27
Hargreaves, J K. *Book review by* Saunders, M. **360,** 428
Hargreaves, R C. *See under* Ashwell, G J., **357,** 393
Harkness, W. *See under* Braddick, O., **360,** 461
Harlan, J R. *See under* Wendorf, F., **359,** 721
Harley, H G. Expansion of an unstable DNA region and phenotypic variation in myotonic dystrophy. (*with* Brook, J D, Rundle, S A, Crow, S, Reardon, W, Buckler, A J, Harper, P S, Housman, D E, Shaw, D J) *Letter to Nature*, **355,** 545
Harlos, K. *See under* Jones, E Y., **360,** 232
Harlow, E. . *Book review by* Cairns, J. **357,** 452
Retinoblastoma: For our eyes only. *News and views*, **359,** 270
See under Cao, L., **355,** 176
Harman, P. *Book review of* Ideas in Chemistry: A History of the Science (*by* Knight, D) **359,** 785
Book review of Science as Public Culture: Chemistry and Enlightenment in Britain, 1760-1820 (*by* Golinski, J) **359,** 785
Book review of From Caveman to Chemist (*by* Salzberg, H W) **359,** 785
Harman, P M. *Book review of* Innovation in Maxwell's electromagnetic theory: Molecular vortices, displacement current, and light (*by* Siegel, D M) **356,** 753
. *Book review by* Shea, W R. **359,** 595
Harper, C L Jr. Evidence from coupled ^{147}Sm-^{143}Nd and ^{146}Sm-^{142}Nd systematics for very early (4.5-Gyr) differentiation of the Earth's mantle. (*with* Jacobsen, S B) *Letter to Nature*, **360,** 728
Harper, J R. *See under* Border, W A., **360,** 361
Harper, P S. *See under* Harley, H G., **355,** 545
Harpp, K S. *See under* Christie, D M., **355,** 246
Harrington, E A. *See under* Fanidi, A., **359,** 554
Harris, A W. *See under* Ahrens, T J., **360,** 429
Harris, J. *Book review by* Fincham, J R S, **356,** 203
Harris, J M. *See under* Hofmann, D J., **359,** 283
Harris, L J. The three-dimensional structure of an intact monoclonal antibody for canine lymphoma. (*with* Larson, S B, Hasel, K W, Day, J, Greenwood, A, McPherson, A) *Letter to Nature*, **360,** 369
Harris, R. *See under* Tassabehji, M., **355,** 635
Harris, R A. Changes in static stress on southern California faults after the 1992 Landers earthquake. (*with* Simpson, R W) *Letter to Nature*, **360,** 251
Harrison, D. British academic morale and pay. *News*, **356,** 280
Harrison, G. *See under* Pease, R., **356,** 115
Harrison, H. *Book review by* Aleksander, I. **360,** 395
Harrison, R A. *See under* Lindsey, C., **358,** 308
Harrison, S C. *See under* Marmorstein, R., **356,** 408
See under Baleja, J D., **356,** 450
Harrison, S P. *See under* Prentice, I C., **360,** 658
Harrison, W G. *See under* Platt, T., **356,** 229
Harrison, W T A. *See under* Morris, R E., **359,** 519
Harro, J. Estonia's plight. *Correspondence*, **356,** 100
Hart Jr, J. Neural subsystems for object knowledge. (*with* Gordon, B) *Letter to Nature*, **359,** 60
Hart, C P. *See under* Lufkin, T., **359,** 835
Hart, G W. *Journal review by* Rees, D A., **359,** 444
Hart, R A. *See under* de Wit, M J., **357,** 553
Hart, R H G. *See under* Gwyther, R L., **356,** 142
Hart, R J. *See under* de Wit, M J., **357,** 553
Hartl, F U. *See under* Langer, T., **356,** 683
Hartman, R C. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Hartmann, E. *See under* Görlich, D., **357,** 47
Signal sequence identified. (*with* Rapoport, T A, Prehn, S) *Scientific correspondence*, **358,** 198
Hartmann, K-U. *See under* Molina, T J., **357,** 161
Hartwig, J H. MARCKS is an actin filament crosslinking protein regulated by protein kinase C and calcium-calmodulin. (*with* Thelen, M, Rosen, A, Janmey, P A, Nairn, A C, Aderem, A) *Letter to Nature*, **356,** 618
Harvey, M. *See under* Donehower, L A., **356,** 215
Harvey, P H. *See under* Partridge, L., **360,** 415
Hasel, K W. *See under* Harris, L J., **360,** 369
Haselkorn, R. *See under* Palenik, B., **355,** 265
Hashimoto, K. *See under* Yao, J N., **355,** 624
Hasinger, G. *See under* Kulkarni, S R., **359,** 300
Hass, H. *See under* Taylor, T N., **357,** 493
Hassall, B J M. *See under* Cooke, B A., **355,** 61
Hassell, M P. *See under* Godfray, H C J., **359,** 673
Hastenrath, S. Greenhouse indicators in Kenya. (*with* Kruss, P D) *Scientific correspondence*, **355,** 503
Hastie, N D. *See under* Hill, R E., **355,** 750
Hatano, S. *See under* Fukami, K., **359,** 150
Hatat, D. *See under* Oliver, S G., **357,** 38
Hattori, M. *See under* Chumakov, I., **359,** 380
Hauffe, H C. A disappearing speciation event?. (*with* Searle, J B) *Scientific correspondence*, **357,** 26
Haugan, P M. Sequestration of CO_2 in the deep ocean by shallow injection. (*with* Drange, H) *Letter to Nature*, **357,** 318
See under Drange, H., **357,** 547
Haughn, L. Association of tyrosine kinase $p56^{lck}$ with CD4 inhibits the induction of growth through the αβ T-cell receptor. (*with* Gratton, S, Caron, L, Sékaly, R-P, Veillette, A, Julius, M) *Letter to Nature*, **358,** 328
Haun, J E. *See under* Williams, T M., **355,** 821
Havlik, S. *See under* Oksenberg, D., **360,** 161
Havlin, S. *See under* Peng, C-K., **356,** 168
See under Larralde, H., **355,** 423
Hawkesworth, C. *See under* Gallagher, K., **358,** 57
Hawkins, P T. Platelet-derived growth factor stimulates synthesis of PtdIns(3,4,5) P, by activating a PtdIns(4,5) P, 3-OH kinase. (*with* Jackson, T R, Stephens, L R) *Letter to Nature*, **358,** 157
Hawkins, T. *See under* Sulston, J., **356,** 37
Hay, A. *Book review of* The British Medical Association guide to pesticides and health (*by* Arnold, E) **357,** 653
357, 653
357, 653
Hayashi, H. *See under* Murata, N., **356,** 710
See under Murata, N., **357,** 607
Hayashi, S. *See under* Murakami, Y., **360,** 597
Hayashi, Y. *See under* Yoshikawa, K., **359,** 64
Hayer, M K. *See under* Langer, T., **356,** 683
Hayes Jr, W J. . *Book review by* Hay, A. **357,** 653
Hayes, D P. The growing inaccessibility of science. *Commentary*, **356,** 739
Text analysis. *Commentary*, **356,** 740
Hayes, J M. *See under* Des Marais, D J., **359,** 605
Hayflick, L. Anomalies of tissue research. *Correspondence*, **356,** 652
Hayman, M J. *See under* Galán, J E., **357,** 588
Haynes, M P. *See under* Burstein, D., **356,** 114
Hazes, B. *See under* Desmet, J., **356,** 539
Hazhakyan, A M. *See under* Godfrey, J., **355,** 195
He, X M. Atomic structure and chemistry of human serum albumin. (*with* Carter, D C) *Article*, **358,** 209
He, Y. Coherence of the superconducting wavefunction between the heavy-fermion superconductor UPd$_2$Al$_3$ and niobium. (*with* Muirhead, C, Bradshaw, A, Abell, J S, Schank, C, Geibel, G, Steglich, F) *Letter to Nature*, **357,** 227
He, Y-Y. Probing *met* repressor-operator recognition in solution. (*with* McNally, T, Manfield, I, Navratil, O, Old, I G, Phillips, S E V, Saint-Girons, I, Stockley, P G) *Letter to Nature*, **359,** 431
He, Z J. Surfaces versus features in visual search. (*with* Nakayama, K) *Letter to Nature*, **359,** 231
Heagerty, A H M. *See under* Lane, E B., **356,** 244
Healey, D G. *See under* Davis, S J., **358,** 76
Heasman, J. *See under* Torpey, N., **357,** 413
Heath, J K. Cytokines: Can there be life without LIF?, *News and views*, **359,** 17
Journal review of Growth regulation. (*Edited by* Schulster, D) **359,** 442
Heath, W R. Autoimmune diabetes as a consequence of locally produced interleukin-2. (*with* Allison, J, Hoffmann, M W, Schönrich, G, Hämmerling, G, Arnold, B, Miller, J F A P) *Letter to Nature*, **359,** 547
Hedenquist, J W. Problems for foreigners in Japan. *Correspondence*, **358,** 366
Hedges, J I. Seawater carbon measurement. (*with* Bergamaschi, B A) *Scientific correspondence*, **359,** 202
Hedges, S B. Ancestry of unisexual salamanders. (*with* Bogart, J P, Maxson, L R) *Letter to Nature*, **356,** 708
Hediger, M A. *See under* Kanai, Y., **360,** 467
Hedrick, P. Population genetics: Shooting the RAPDs. *News and views*, **355,** 679
Heeger, A J. *See under* Gustafsson, G., **357,** 477
Heflin, J R. Buckminsterfullerene: Optics beyond the limits. (*with* Garito, A F) *News and views*, **356,** 192
See under Rodenberger, D C., **359,** 309
Hegde, R S. Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target. (*with* Grossman, S R, Laimins, L A, Sigler, P B) *Article*, **359,** 505
Hegemann, J. *See under* Oliver, S G., **357,** 38
Heggie, D C. Ecology of globular clusters. *News and views*, **359,** 772
Heggie, M I. A molecular water pump in quartz dislocations. *Letter to Nature*, **355,** 337
Heiken, G H. . *Book review by* Turner, G. **358,** 293
Heilbron, J L. *Book review of* The creative moment: How science made itself alien to modern culture (*by* Schwartz, J) **360,** 217
Eighteen-ninety two and all that. (*with* Bynum, W F) *Commentary*, **355,** 11
Heilig, R. *See under* Chumakov, I., **359,** 380
Heiligenberg, W F. *Book review by* Westby, M. **355,** 780
Heims, S J. *Book review by* Michie, D. **356,** 117
Heinemann, S H. Calcium channel characteristics conferred on the sodium channel by single mutations. (*with* Terlau, H, Stühmer, W, Imoto, K, Numa, S) *Letter to Nature*, **356,** 441
Heinemeier, J. *See under* Petersen, K S., **359,** 679
Heinrich, H. *See under* Bond, G., **360,** 245
Heki, K. *See under* Foulger, G R., **358,** 488
Helbig, A J. *See under* Berthold, P., **360,** 668
Held, L I Jr. *Book review by* Lawrence, P A. **358,** 720
Helenius, A. *See under* Braakman, I., **356,** 260
Helenius, J. *See under* Braakman, I., **356,** 260
Helfman, D M. *See under* Balasubramanian, M K., **360,** 84
See under Lees-Miller, J P., **359,** 244
Helland, Å. HLA antigens and cervical carcinoma. (*with* Borresen, A L, Kaern, J, Ronningen, K S, Thorsby, E) *Scientific correspondence*, **356,** 23
Helliwell, J R. *Book review by* Miller, A. **357,** 454
Helmreich, E J M. *See under* Bauer, P H., **358,** 73
Helms, J B. Inhibition by brefeldin A of a Golgi membrane enzyme that catalyses exchange. (*with* Rothman, J E) *Letter to Nature*, **360,** 352
Hemley, R J. *See under* Vos, W L., **358,** 46
Hemmati-Brivanlou, A. A truncated activin receptor inhibits mesoderm induction and formation of axial structures in Xenopus embryos. (*with* Melton, D A) *Article*, **359,** 609
Hemmings, G. Schizophrenia. *Correspondence*, **355,** 291
Hemmingsen, S M. What is a chaperonin?. *Scientific correspondence*, **357,** 650
See under Balasubramanian, M K., **360,** 84
Hemminki, K. *See under* Perera, F P., **360,** 256
Hemsley, A R. Palaeobotany: Vascular pipe dreams. *News and views*, **357,** 641
Henbest, N. *Book review by* Hughes, D W. **359,** 684
Henderson, G S. *See under* McConnell, J C., **355,** 150
Hendrickson, W. *Journal review by* Blow, D., **359,** 448
Hendrickson, W A. *See under* Weis, W I., **360,** 127
. *Book review by* Petsko, G A. **359,** 596
Hendy, G N. *See under* Rosenthal, W., **359,** 233
Hengartner, M O. *Caenorhabditis elegans* gene *ced-9* protects cells from programmed cell death. (*with* Ellis, R E, Horvitz, H R) *Article*, **356,** 494
Henikoff, S. *See under* Christensen, A C., **358,** 271
Henshaw, J. *See under* Johnson, C., **355,** 69
Henyey, T. Earthquakes: Californians feel the tension. *News and views*, **360,** 206
Heppenheimer, T A. Hawking on film: first-rate account of a first-rate mind. *News*, **359,** 8
Heptinstall, S. *Journal review of* Blood coagulation and fibrinolysis: An international journal in haemostasis and thrombosis. (*Edited by* Francis, J L, Gordon, S G) **359,** 447
Herb, J A. *See under* Graebner, J E., **359,** 401
Herbers, K. Race-specificity of plant resistance to bacterial spot disease determined by repetitive motifs in a bacterial avirulence protein. (*with* Conrads-Strauch, J, Bonas, U) *Letter to Nature*, **356,** 172
Herbert, C J. *See under* Oliver, S G., **357,** 38

Herbert, R. Leaking gas and greenhouse. *Correspondence*, **355**, 196
Herck, J L. *See under* Potter, E D., **355**, 66
Herken, G. *Book review by* de la Mothe, J, **359**, 26
Herman, R K. Developmental biology: Inducing concentric worm holes. *News and views*, **358**, 450
Hermann, T. *See under* Zhang, X-k., **358**, 587
Hermel, E. *See under* Attaya, M., **355**, 647
Hernquist, L. Starbursts in the nuclei of shell galaxies. (*with* Weil, M L) *Letter to Nature*, **358**, 734
Astronomy: Phoenix galaxies. *News and views*, **360**, 105
See under Barnes, J E., **360**, 715
Herrero, I. Positive feedback of glutamate exocytosis by metabotropic presynaptic receptor stimulation. (*with* Miras-Portugal, M T, Sánchez-Prieto, J) *Letter to Nature*, **360**, 163
Herrero-Bervera, E. *See under* Laj, C., **359**, 111
Herries Davies, G L. *Book review of* From stone to star: A view of modern geology (*by* Allegre, C) **358**, 719
Herrling, P L. *In situ* situation. (*with* Salt, T E) *Correspondence*, **356**, 470
Herrup, K. *See under* Lee, E Y-H P., **359**, 288
Herschbach, D R. Excitation mechanism of the mesospheric sodium nightglow. (*with* Kolb, C E, Worsnop, D R, Shi, X) *Letter to Nature*, **356**, 414
Hersh, E M. *See under* Lam, K S., **358**, 434; *Correction*, **360**, 768
Hershey, J. *Journal review by* Holburn, D., **359**, 455
Herskowitz, I. *See under* Chenevert, J., **356**, 77
Fungal physiology: Yeast branches out. *News and views*, **357**, 190
Hertz, J A. *Journal review of* Network: Computation in neural systems. (*Edited by* Amit, D J) **359**, 463
Hescheler, J. *See under* Kleuss, C., **358**, 424
Hess, G B. Low-temperature physics: Superfluid gyroscope. *News and views*, **359**, 192
Hess, P. *See under* Tytgat, J., **359**, 420
Hestrin, S. Developmental regulation of NMDA receptor-mediated synaptic currents at a central synapse. *Letter to Nature*, **357**, 686
Heuser, J. *See under* Kuehn, M J., **356**, 252
Hewitt, E W. *See under* Stirling, C J., **356**, 534
Heym, B. *See under* Zhang, Y., **358**, 591
Heyman, R A. *See under* Kliewer, S A., **358**, 771
Hickey, L J. Plants at the K/T boundary. (*with* McWeeney, L J) *Scientific correspondence*, **356**, 295
Hickey-Vargas, R. A refractory HIMU component in the sources of island-arc magma. *Letter to Nature*, **360**, 57
Hicks, J H. FBI's case for genetics. *Correspondence*, **357**, 355
Hide, R. *See under* Dickey, J O., **357**, 484
Hide, W A. *See under* Li, W-H., **359**, 277
Higashi, S. *See under* Murata, N., **356**, 710
See under Murata, N., **357**, 607
Higdon, J C. *See under* Lingenfelter, R E., **356**, 132
Higgins, C. Cystic fibrosis: Chloride channels revisited. *News and views*, **358**, 536
Higgins, G A. *See under* Kawabata, S., **356**, 23
See under Kawabata, S., **356**, 265
High, S. *See under* Luirink, J., **359**, 741
Hildebrand, W H. *See under* Belich, M P., **357**, 326
Hilger, F. *See under* Oliver, S G., **357**, 38
Hill, A. Earliest *Homo* debate: Reply. (*with* Ward, S, Deino, A, Curtis, G, Drake, R) *Scientific correspondence*, **358**, 290
Earliest *Homo*. (*with* Ward, S, Deino, A, Curtis, G, Drake, R) *Letter to Nature*, **355**, 719
Hill, A V S. Molecular analysis of the association of HLA-B53 and resistance to severe malaria. (*with* Elvin, J, Willis, A C, Aidoo, M, Allsopp, C E M, Gotch, F M, Gao, X M, Takiguchi, M, Greenwood, B M, Townsend, A R M, McMichael, A J, Whittle, H C) *Article*, **360**, 434
Maintenance of MHC polymorphism: Reply. (*with* Kwiatkowski, D, McMichael, A J, Greenwood, B M, Bennett, S) *Scientific correspondence*, **355**, 403
Hill, M J. *Journal review by* Kinken, L J., **359**, 443
Hill, R E. Erratum: Mouse *Small eye* results from mutations in a paired-like homeobox-containing gene. (*with* Favor, J, Hogan, B L M, Ton, C C T, Saunders, G F, Hanson, I M, Prosser, J, Jordan, T, Hastie, N D, van Heyningen, V) *Letter to Nature*, **355**, 750
Hill, R J. The gene *lin-3* encodes an inductive signal for vulval development in *C. elegans*. (*with* Sternberg, P W) *Article*, **358**, 470
Hillas, A M. *See under* Punch, M., **358**, 477
Hillel, D. *Book review by* Pirie, N W, **357**, 373
355, 781
Hillier, L. *See under* Sulston, J., **356**, 37
Hilsenrath, E. Ozone depletion in the upper stratosphere estimated from satellite and Space Shuttle data. (*with* Cebula, R, Jackman, C H) *Letter to Nature*, **358**, 131
Hinder, K. *Book review by* Myers, N. **358**, 200
Hines, T. Nothing new. *Correspondence*, **355**, 290
Hinton, G E. *See under* Becker, S., **355**, 161
Hiroi, Z. *See under* Azuma, M., **356**, 775
Hirokawa, N. *See under* Chen, J., **360**, 674
Hirosawa, I. *See under* Tanigaki, K., **356**, 419
See under Ebbesen, T W., **355**, 620
Hirsch, A. *See under* Stephens, P W., **355**, 331
See under Stephens, P W., **355**, 331
Hitchcock, P B. *See under* Birkett, P R., **357**, 479
Hitchman, M H. *See under* Trepte, C R., **355**, 626
Hizi, A. *See under* Arnold, E., **357**, 85
Hjertén, S. Continuous beds: high-resolving, cost-effective chromatographic matrices. (*with* Li, Y-M, Liao, J-L, Mohammad, J, Nakazato, K, Pettersson, G) *Product review*, **356**, 810
Ho, C. *See under* Fenimore, E E., **357**, 140
Ho, J T. *See under* Geer, R., **355**, 152
Ho, P T P. Milky Way: Will the real Galactic Centre please stand up?. *News and views*, **355**, 495
Hobart, P M. *See under* Dhanaraj, V., **357**, 466
Hobbs, C H. *See under* Burkholder, J-A M., **358**, 407; *Correction*, **360**, 768
Hoblitt, R P. *See under* Pallister, J S., **356**, 426
Hochman, D W. *See under* Haglund, M M., **358**, 668
Hodapp, K-W. A search during the 1991 solar eclipse for the infrared signature of circumsolar dust. (*with* MacQueen, R M, Hall, D N B) *Letter to Nature*, **355**, 707
Hodeau, J-L. *See under* Regueiro, M N., **355**, 237
Hodes, G. *See under* Tenne, R., **360**, 444
Hodge, P. *Book review by* Edmunds, M G, **360**, 546
Hodgkin, A. *Book review by* Perutz, M F, **359**, 113
Hodgkinson, N. AIDS causation. *Correspondence*, **358**, 447
Hodgson, A. Energy transfer and vibrational effects in the dissociation and scattering of D2 from Cu(111). (*with* Moryl, J, Traversaro, P, Zhao, H) *Letter to Nature*, **356**, 501
Hodtsev, A S. *See under* Laurence, J., **358**, 255
Hoenicka, J. *See under* Oliver, S G., **357**, 38
Hoepffner, N. *See under* Platt, T., **356**, 229
Hoffert, M I. Deriving global climate sensitivity from palaeoclimate reconstructions. (*with* Covey, C) *Letter to Nature*, **360**, 573
Hoffman, A. *See under* Nikolov, D B., **360**, 40
Hoffman, K A. Dipole reversal states of the geomagnetic field and core-mantle dynamics. *Article*, **359**, 789
Hoffman, P A. *See under* Vazeux, R., **360**, 485
Hoffman, S. *See under* Looker, D., **356**, 258
Hoffmann, B. *See under* Zhang, X-k., **358**, 587
See under Zhang, X-k., **355**, 441
Hoffmann, G W. Questions about AIDS. *Correspondence*, **358**, 10
Hoffmann, M W. *See under* Heath, W R., **359**, 547
Hoffmaster, D K. *See under* Houle, D., **359**, 58
Hofmann, D J. Observation and possible causes of new ozone depletion in Antarctica in 1991. (*with* Oltmans, S J, Harris, J M, Solomon, S, Deshler, T, Johnson, B J) *Article*, **359**, 283
Hofmann, H J. *See under* Lao, Y., **357**, 576
Hofmann, R. *See under* Eckart, A., **355**, 526
Hogan, B. Women in science. *Correspondence*, **360**, 204
Developmental biology: The making of the ear. (*with* Wright, C) *News and views*, **355**, 494
Hogan, B L M. Evidence that Hensen's node is a site of retinoic acid synthesis. (*with* Thaller, C, Eichele, G) *Letter to Nature*, **359**, 237
See under Hill, R E., **355**, 750
Hogan, C J. A photoionization instability in the early intergalactic medium. *Letter to Nature*, **359**, 40
Cosmology: Radiation treatment for CDM. *News and views*, **355**, 585
Hohmann, S. *See under* Oliver, S G., **357**, 38
Hökfelt, T. *See under* Bloom, F E., **358**, 184
Holak, T A. *See under* Habazettl, J., **359**, 885
Holburn, D. *Journal review of* CVGIP: Graphical models and image processing. (*Edited by* Badler, N I, Chellappa, R) **359**, 454
Journal review of CVGIP: Image understanding. (*Edited by* Shapiro, L G) **359**, 454
Journal review of Journal of visual communication and image representation. (*Edited by* Zeevia, Y Y, Hsing, T R) **359**, 454
Journal review of Digital signal processing. A review journal. (*Edited by* Hershey, J, Yarlagadda, R) **359**, 455
Journal review of Analog integrated circuits and signal processing: An international journal. (*Edited by* Ismail, M, Haigh, D G, Jujii, N) **359**, 455
Holczer, K. *See under* Stephens, P W., **355**, 331
See under Stephens, P W., **355**, 331
Holder, N. *See under* Krauss, S., **360**, 87
Developmental biology: Mice with half a mind. *News and views*, **360**, 708
Holland, K N. Physiological and behavioural thermoregulation in bigeye tuna (*Thunnus obesus*). (*with* Brill, R W, Chang, R K C, Sibert, J R, Fournier, D A) *Letter to Nature*, **358**, 410
Holland, P. Development and evolution: Mice and flies head to head. (*with* Ingham, P, Krauss, S) *News and views*, **358**, 627
Hollenberg, C P. *See under* Oliver, S G., **357**, 38
Holliday, R. Of mice and men. *Scientific correspondence*, **360**, 305
Hollocher, H. *See under* Johnson, N A., **358**, 751
Holloway, J H. *See under* Taylor, R., **355**, 27
Holmes, A B. *See under* Burn, P L., **356**, 47
Holmes, K V. *See under* Yeager, C L., **357**, 420
Holmes, P. *Journal review by* Shlesinger, M., **359**, 453
Holmes-Siedle, A. *Book review of* Hydrogenated amorphous silicon (*by* Street, R A) **358**, 117
Holness, C L L. *See under* Fawcett, J., **360**, 481
Holt, S. The debate on whaling. *Correspondence*, **359**, 9
Holt, S S. *See under* Halpern, J P., **357**, 222
Holtmann, B. *See under* Sendtner, M., **360**, 757
Hölttä, E. *See under* Auvinen, M., **360**, 355
Holzbaur, E L F. Correction: Homology of a 150K cytoplasmic dynein-associated polypeptide with the *Drosophila* gene. (*with* Hammarback, J A, Paschal, B M, Kravit, N G, Pfister, K K, Vallee, R B) *Letter to Nature*, **360**, 695
Homewood, K. Patch production by cattle. *Scientific correspondence*, **359**, 109
Honegger, A M. *See under* Mohammadi, M., **358**, 681
Honess, R W. *See under* Nicholas, J., **355**, 362
Honjo, T. *See under* Murakami, M., **357**, 77
Hood, B. *See under* Braddick, O., **360**, 461
Hood, L. *Book review by* Brenner, S. **358**, 27
Hooft, F E. *See under* Larson, R L., **356**, 571
Hooper, M L. *See under* Mombaerts, P., **360**, 225
See under Dorin, J R., **359**, 211
See under Mombaerts, P., **360**, 491
See under Clarke, A R., **359**, 328
Hoover, D J. *See under* Dhanaraj, V., **357**, 466
Hope, E G. *See under* Taylor, R., **355**, 27
Hopkins, S J. Managerial inadequacies. (*with* Campbell, P N) *Correspondence*, **356**, 373
Höpner, T. *See under* Sorkhoh, N., **359**, 109
Hoppe, A. Mining in the Amazonian rainforests. *Scientific correspondence*, **355**, 593
Horack, J M. *See under* Meegan, C A., **355**, 143
Horejsi, V. Czech science. *Correspondence*, **359**, 99
Hori, H. *See under* Osada, Y., **355**, 242
Horikoshi, M. *See under* Nikolov, D B., **360**, 40
Horn, H S. *See under* Grant, P R., **359**, 503
Hornemann, U. *See under* Langenhorst, [illegible] 507
Horner, J R. Marine transgressions and [illegible]evolution of Cretaceous dinosaurs. (*with* Varricchio, D J, [illegible]win, M B) *Letter to Nature*, **358**, 59
Horvitz, H R. *See under* Hengartner, M O., **356**, 494
See under Clark, S G., **356**, 340
Horwich, A L. *See under* Yaffe, M B., **358**, 245
Hosobuchi, M. *SEC21* is a gene required for ER to Golgi protein transport that encodes a subunit of a yeast coatomer. (*with* Kreis, T, Schekman, R) *Letter to Nature*, **360**, 603
Höss, M. Excrement analysis by PCR. (*with* Kohn, M, Pääbo, S, Knauer, F, Schröder, W) *Scientific correspondence*, **359**, 199
Hoth, C F. *See under* Baldwin, C T., **355**, 637
Hoth, M. Depletion of intracellular calcium stores activates a calcium current in mast cells. (*with* Penner, R) *Letter to Nature*, **355**, 353
Houde-Walter, S. *See under* Vessal, B., **356**, 504
Hough, P. *See under* Randles, J., **360**, 396
Houle, D. The genomic mutation rate for fitness in *Drosophila*. (*with* Hoffmaster, D K, Assimacopoulos, S, Charlesworth, B) *Letter to Nature*, **359**, 58
Housley, R A. *See under* Wendorf, F., **359**, 721
Housman, D E. *See under* Harley, H G., **355**, 545
Houston, H. Earthquakes: The exception is the rule. *News and views*, **360**, 111
Houston, J E. The interfacial-force microscope. (*with* Michalske, T A) *Product review*, **356**, 266
Hovland, M. Balloon response explanation?. *Scientific correspondence*, **357**, 119
Hövmoller, S. *See under* Dong, W., **355**, 605
Howald, L. *See under* Overney, R M., **359**, 133
Howard, A D. *See under* Thornberry, N A., **356**, 768
Howard, J. Molecular genetics: Fast forward in the MHC. *News and views*, **357**, 284
Howard, J C. *See under* Powis, S J., **357**, 211
See under Momburg, F., **360**, 174
Howard, P J A. Counting the numbers. *Correspondence*, **358**, 365
Howard, R J. Malaria: Asexual deviants take over. *News and views*, **357**, 647
Howell, K E. *See under* Franzusoff, A., **355**, 173
Howson, C. *Book review of* Bayes or bust? A critical examination of Bayesian confirmation theory (*by* Earman, J) **358**, 552
Hoyle, F. *See under* Arp, H C., **357**, 287
Hruby, V J. *See under* Lam, K S., **358**, 434; *Correction*, **360**, 768
Hsing, T R. *Journal review by* Holburn, D., **359**, 454
Hsu, Y-M. *See under* Palabrica, T., **359**, 848
Hsueh, A J W. *See under* Matzuk, M M., **360**, 313
Hu, E M. *See under* Cowie, L L., **357**, 607
Hu, J Z. *See under* Vos, W L., **358**, 46
Hu, N. *See under* Lee, E Y-H P., **359**, 288
Hu, P. *See under* Margolis, B., **356**, 71
A direct inversion method for surface structure determination from LEED intensities. (*with* King, D A) *Letter to Nature*, **360**, 655
Hu, S-H. *See under* Nikolov, D B., **360**, 40
Huang, A S. Virology: How does variation count?. (*with* Coffin, J M) *News and views*, **359**, 107
Huang, C C. *See under* Geer, R., **355**, 152
Huang, L-Y. *See under* König, R., **356**, 796
Huang, L-Y M. *See under* Chen, L., **356**, 521
Huang, S. Formation of haematopoietic microenvironment and haematopoietic stem cells from single human bone marrow stem cells. (*with* Terstappen, L W M M) *Letter to Nature*, **360**, 745
Huang, S P. *See under* Tybulewicz, V L J., **357**, 407
Hubbard, R. *Book review of* The facts of life: Science and the abortion controversy (*by* Morowitz, H J) **360**, 379
Huber, R. *See under* Bode, W., **358**, 164
Huckle, H E. *See under* Cooke, B A., **355**, 61
Hudnut, K W. Plate tectonics: Geodesy tracks plate motion. *News and views*, **355**, 681

Hudson, J. *See under* Rowley, R., **356,** 353
Hudson, K R. *See under* Irwin, M J., **359,** 841
Huff, E J. *See under* Guo, X-H., **359,** 783
Huganir, R L. *See under* Ferris, C D., **356,** 350
Hughes, A L. *See under* Watkins, D I., **357,** 329
Maintenance of MHC polymorphism, (*with* Nei, M) *Scientific correspondence,* **355,** 402
Hughes, B O. Animal welfare, *Correspondence,* **359,** 472
Hughes, D W. *Book review of* Stars (*by* Kaler, J B) **356,** 634
Book review of The Planets: Portraits of New Worlds (*by* Henbest, N) **359,** 684
Book review of Worlds in the Sky: Planetary Discovery from Earliest Times Through Voyager and Magellan (*by* Sheehan, W) **359,** 684
Book review of Rendezvous in space: The science of comets (*by* Brandt, J C) **359,** 115
Hughes, E. *See under* Arnold, D., **360,** 171
Hughes, P A. *Book review of* The physics of astrophysics. Volume 1: Radiation. Volume 2: Gas dynamics (*by* Shu, F H) **357,** 122
Hughes, S H. *See under* Arnold, E., **357,** 85
Hughes, S M. Muscle development: Running without regulators, *News and views,* **360,** 536
Hughes, V W. . *Book review by* Miller, D J. **356,** 756
Hugo, P. A cell line that can induce thymocyte positive selection, (*with* Kappler, J W, Godfrey, D I, Marrack, P C) *Letter to Nature,* **360,** 679
Hui, D. *Journal review by* Cahn, R W., **359,** 456
Hui, S W. *See under* Geer, R., **355,** 152
Huin, N. *See under* Ancel, A., **360,** 336
Huizenga, J R. *Book review by* Close, F. **358,** 291
Hull, D L. *Book review of* The ant and the peacock: Altruism and sexual selection from Darwin to today (*by* Cronin, H) **356,** 623
Hultgren, S J. *See under* Kuehn, M J., **356,** 252
Humphrey, N. *Book review by* Longuet-Higgins, C. **360,** 117
Hung, A Y. *See under* Haass, C., **357,** 500
See under Haass, C., **359,** 322
See under Citron, M., **360,** 672
Hunt, B J. *Book review by* Warwick, A. **357,** 291
Hunt, T. Cell biology: Cell cycle arrest and c-*mos*, *News and views,* **355,** 587
Hunter, C N. *See under* Fowler, G J S., **355,** 848
Hunter, C P. Evidence from mosaic analysis of the masculinizing gene *her-1* for cell interactions in *C. elegans* sex determination, (*with* Wood, W B) *Letter to Nature,* **355,** 551
Hunter, K A. *See under* Frew, R D., **360,** 144
Hunter, S D. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Huntingford, F A. *Book review of* Assessments and decisions: A study of information gathering by Hermit crabs (*by* Elwood, R W) **357,** 205
Huon, S. *See under* Bond, G., **360,** 245
Huppert, H E. *See under* Buffett, B A., **356,** 329
Hurley, B J. Disallowing direct costs, *Correspondence,* **355,** 668
Hurley, K. Gamma-ray bursts: Receding from our grasp, *News and views,* **357,** 112
Hurst, G D D. Evolutionary genetics: Selfish genes move sideways, (*with* Hurst, L D, Majerus, M E N) *News and views,* **356,** 659
Hurst, L D. *See under* Hurst, G D D., **356,** 659
Speciation events, (*with* Pomiankowski, A) *Scientific correspondence,* **359,** 781
Evolutionary chemistry: Life in a test tube, (*with* Dawkins, R) *News and views,* **357,** 198
Husain, H S. *See under* Goldshtik, M., **357,** 141
Huse, D A. Are superconductors really superconducting?, (*with* Fisher, M P A, Fisher, D S) *Review article,* **358,** 553
Huse, K. *See under* Oliver, S G., **357,** 38
Huselton, C. *See under* Levin, A A., **355,** 359
Huskisson, N S. *See under* Powis, S J., **357,** 211
Hussain, F. *See under* Goldshtik, M., **357,** 141
Hussy, N. *See under* Galzi, J-L., **359,** 500
Hut, P. Rates of collapse and evaporation of globular clusters, (*with* Djorgovski, S) *Letter to Nature,* **359,** 806
Hutson, A M. *Book review of* The bats of Texas (*by* Schmidly, D J) **357,** 123
Huxley, A. Muscle: A fine time for contractual alterations, *News and views,* **357,** 110
Huxtable, R J. *Book review of* Food of the Gods: The Search for the Original Tree of Knowledge (*by* McKenna, T) **356,** 635
Hwa, T. *See under* Wen, X., **355,** 426
Hwang, P A. *See under* Agrawal, Y C., **359,** 219
Hwang, T-C. *See under* Nagel, G., **360,** 81
Hyde, J E. Deviant TATA-box binding protein, (*with* Sims, P F G, Read, M, McAndrew, M B) *Scientific correspondence,* **360,** 541
Hyman, A A. Microtubule-motor activity of a yeast centromere-binding protein complex, (*with* Middleton, K, Centola, M, Mitchison, T J, Carbon, J) *Letter to Nature,* **359,** 533
Hynes, G M. *See under* Lewis, V A., **358,** 249
Iacomini, J. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Iborra, F. *See under* Oliver, S G., **357,** 38
Ibraghimov-Beskrovnaya, O. Primary structure of dystrophin-associated glycoproteins linking dystrophin to the extracellular matrix, (*with* Ervasti, J M, Leveille, C J, Slaughter, C A, Sernett, S W, Campbell, K P) *Article,* **355,** 696
Ichihara, A. *See under* Murakami, Y., **360,** 597
Ichihashi, T. *See under* Iijima, S., **356,** 776
Ichikawa, H. *See under* Chumakov, I., **359,** 380
Ichikawa, Y. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Icke, V. Collimation of astrophysical jets by inertial confinement, (*with* Mellema, G, Balick, B, Eulderink, F, Frank, A) *Letter to Nature,* **355,** 524
Idle, J R. *Journal review by* Phillips, I R., **359,** 444
Igarashi, K. *See under* Murakami, Y., **360,** 597
Igarashi, M. *See under* Harada, K., **360,** 51
Ignatius, M J. Too many reviews?, *Correspondence,* **360,** 100
Iidaka, T. Seismological evidence for metastable olivine inside a subducting slab, (*with* Suetsugu, D) *Letter to Nature,* **356,** 593
Iijima, S. Pentagons, heptagons and negative curvature in graphite microtubule growth, (*with* Ichihashi, T, Ando, Y) *Letter to Nature,* **356,** 776
See under Ajayan, P M., **358,** 23
Iino, M. Calcium-dependent immediate feedback control of inositol 1,4,5-trisphosphate-induced Ca^{2+} release, (*with* Endo, M) *Letter to Nature,* **360,** 76
Ijspeert, J K. Are we grown up?, *Correspondence,* **356,** 374
Ikai, A. *See under* Arakawa, H., **358,** 171
Ikebe, M. *See under* McCarron, J G., **357,** 74
Ikegami, M. *See under* Okada, K., **355,** 120
Ikemoto, I. *See under* Kikuchi, K., **357,** 142
Imae, Y. *See under* Atsumi, T., **355,** 182
Imoto, K. *See under* Heinemann, S H., **356,** 441
Imura, H. *See under* Murakami, M., **357,** 77
Inagaki, M. *See under* Fukami, K., **359,** 150
Indge, K J. *See under* Oliver, S G., **357,** 38
Ingham, P. *See under* Holland, P., **358,** 627
Ingles, C J. *See under* Fitzpatrick, V D., **356,** 610
Inglese, J. Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases, (*with* Koch, W J, Caron, M G, Lefkowitz, R J) *Letter to Nature,* **359,** 147
Ingraham, W J Jr. *See under* Ebbesmeyer, C C., **360,** 405
Ingrosso, L. *See under* Xi, Y G., **356,** 598
Ingrouille, M. *Book review of* The action plant (*by* Simons, P) **358,** 551
Book review by Moore, P D. **359,** 205
Irie, K. *See under* Shibuya, H., **357,** 700
Iris, F. *See under* Vicomet, N., **356,** 721
Irvine, J. *See under* Martin, B R., **355,** 760
Irving, M. Myosin head movements are synchronous with the elementary force-generating process in muscle, (*with* Lombardi, V, Piazzesi, G, Ferenczi, M A) *Letter to Nature,* **357,** 156
Myosin head movements are synchronous with the elementary force-generating process in muscle: Erratum, (*with* Lombardi, V, Piazzesi, G, Ferenczi, M A) *Letter to Nature,* **357,** 704
Irwin, M J. Enterotoxin residues determining T-cell receptor Vβ binding specificity, (*with* Hudson, K R, Fraser, J D, Gascoigne, N R J) *Letter to Nature,* **359,** 841
Iscove, N N. *See under* Cumano, A., **356,** 612
Ishida-Yamamoto, A. *See under* Lane, E B., **356,** 244
Ishido, M. *See under* Birnbaumer, M., **357,** 333
Ishizaki-Nishizawa, O. *See under* Murata, N., **356,** 710
See under Murata, N., **357,** 607
Ishizawa, M. *See under* Furukawa, T., **356,** 668
Ismail, M. *Journal review by* Holburn, D., **359,** 455
Isman, M B. . *Book review by* Wyatt, T D. **360,** 120
Isono, K. *See under* Oliver, S G., **357,** 38
Itin, A. *See under* Shweiki, D., **359,** 843
Ito, M. *See under* Fujita, I., **360,** 343
Itohara, S. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Iversen, L. Dopamine receptors: Which D4 do *you* have?, *News and views,* **358,** 109
Iversen, L L. *See under* Bloom, F E., **358,** 184
Iversen, P. *See under* Johnsen, S J., **359,** 311
Ives, H E. *See under* Peters, K G., **358,** 678
Ivy, S. *See under* Bond, G., **360,** 245
Izpisua-Belmonte, J-C. *See under* Morgan, B A., **358,** 236
Jablonka, E. Species and speciation, (*with* Lamb, M J) *Scientific correspondence,* **356,** 752
Jack, J. *See under* Larkman, A., **360,** 70
Jäckle, H. *See under* Rothe, M., **359,** 156
Jackman, C H. *See under* Hilsenrath, E., **358,** 131
Jacks, T. Effects of an *Rb* mutation in the mouse, (*with* Fazeli, A, Schmitt, E M, Bronson, R T, Goodell, M A, Weinberg, R A) *Article,* **359,** 295
Jackson, A. *See under* Malhotra, R., **356,** 583
Geomagnetism: Still poles apart on reversals?, *News and views,* **358,** 194
Jackson, G. *See under* Braddick, O., **360,** 461
Jackson, M. *See under* Asfaw, L M., **357,** 447
Jackson, T R. *See under* Hawkins, P T., **358,** 157
Jacob, D J. *See under* Fan, S-M., **359,** 522
Jacobo-Molina, A. *See under* Arnold, E., **357,** 85
Jacobs, D. *See under* Awgulewitsch, A., **358,** 341
Jacobs, J A. Earth sciences: The Earth's core in a nutshell, *News and views,* **356,** 286
Book review by Stevenson, D J. **356,** 396
Jacobs, S S. Is the Antarctic ice sheet growing?, *Review article,* **360,** 29
Jacobsen, S B. *See under* Harper, C L Jr., **360,** 728
Jacq, C. *See under* Oliver, S G., **357,** 38
Jacquet, M. *See under* Oliver, S G., **357,** 38
Jaenisch, R. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Jaffe, D B. The spread of Na^+ spikes determines the pattern of dendritic Ca^{2+} entry into hippocampal neurons, (*with* Johnston, D, Lasser-Ross, N, Lisman, J E, Miyakawa, H, Ross, W N) *Letter to Nature,* **357,** 244
Jahn, C-H. *See under* Foulger, G R., **358,** 488
Jahrling, K. *See under* Tait, S., **359,** 406
Jain, J. Nuclear factor of activated T cells contains Fos and Jun, (*with* McCaffrey, P G, Valge-Archer, V E, Rao, A) *Letter to Nature,* **356,** 801
Jain, S K. . *Book review by* Tudge, C. **359,** 683
Jakob, U. *See under* Wiech, H., **358,** 169
Jalife, J. *See under* Davidenko, J M., **355,** 349
James, B. Not by numbers, *Correspondence,* **357,** 355
James, C M. *See under* Oliver, S G., **357,** 38
James, D E. *See under* Halliday, A N., **359,** 623
James, K. *Journal review of* Bioorganic and medicinal chemistry letters, (*Edited by* Boger, D L) **359,** 458
Journal review of Medicinal chemistry research, (*Edited by* Glennon, R A, Burger, A) **359,** 458
James, M N G. *See under* Strynadka, N C J., **359,** 700
James, W H. *See under* Crawford, E., **357,** 272
Jameson, S. *See under* Attaya, M., **355,** 647
Janeway, C A Jr. Peptides bound to MHC, (*with* Rudensky, A Y, Preston-Hurlburt, P) *Scientific correspondence,* **357,** 120
See under Rudensky, A Yu., **359,** 429
Jang, S K. *See under* Molla, A., **356,** 255
Janmey, P A. *See under* Hartwig, J H., **356,** 618
Jannasch, H W. *See under* Gundersen, J K., **360,** 454
Jansen, E. *See under* Veum, T., **356,** 783
Climate change: Following iceberg footprints, *News and views,* **360,** 212
Jansen, G. *See under* Buxton, J., **355,** 547
See under Palsanidis, C., **355,** 548
Jansen, H M A. *Journal review by* O'Riordan, T., **359,** 460
Jansen, K U. *See under* Aubry, J-P., **358,** 505
Jansonius, J N. *See under* Cowan, S W., **358,** 727
Jantschik, R. *See under* Bond, G., **360,** 245
Jaraquemada, D. *See under* Mainati, M S., **357,** 702
Jardetzky, T S. *See under* Guo, H-C., **360,** 364
Jasman, R L. *See under* Vazeux, R., **360,** 485
Jault, D. *See under* Le Mouël, J L., **355,** 26
Jauncey, D L. *See under* Staveley-Smith, L., **355,** 147
Jauniaux, J C. *See under* Oliver, S G., **357,** 38
Jaupart, C. *See under* Tait, S., **359,** 406
Jaureguizar, E O. *See under* Pascual, R., **356,** 704
Jay, P Y. Surface particle transport mechanism independent of myosin II in *Dictyostelium*, (*with* Elson, E L) *Letter to Nature,* **356,** 438
Jayaraman, K S. Biotechnology: Indian centre receives funds, *News,* **355,** 192
Institute for best and brightest, *News,* **355,** 194
Polio vaccine: French-Indian project in jeopardy, *News,* **356,** 94
Indian budget: Tough times ahead, *News,* **356,** 97
Gupta's return: Pressure grows on Panjab University, *News,* **356,** 97
India/Russia cooperation: Joint projects lack money, *News,* **356,** 185
India/Russia cooperation: Russians look to India for jobs, *News,* **356,** 185
Leprosy vaccine: India questions Venezuelan data, *News,* **356,** 373
US leans on Russia to drop rocket agreement, *News,* **356,** 732
Russians reassure India on rocket contract, *News,* **357,** 99
India goes to sea for research funds, *News,* **357,** 183
India claims market drives US ban on space contracts, *News,* **357,** 271
Indian missile test fizzles out, *News,* **357,** 352
Indian court bans quotas that give share of science posts to outcasts, *News,* **358,** 9
Scavengers undermine Indian incinerator, *News,* **359,** 763
Defence scientist quits Indian post for US academic job, (*with* Watson, T) *News,* **358,** 613
French modify polio plant in India, *News,* **360,** 3
Five-year plan cuts funding for Indian laboratories, *News,* **360,** 7
India threatened with loss of nuclear fuel, *News,* **360,** 287
Jaye, M. *See under* Mohammadi, M., **358,** 681
Jefferies, J T. *See under* Lindsey, C., **358,** 308
Jelinek, R. *See under* Yildirim, T., **360,** 568
Jencks, W P. RNA catalysis: Evolution on fast-forward, *News and views,* **358,** 543
Jenkins, N A. *See under* Watanabe-Fukunaga, R., **356,** 314
Jensen, J V. *Book review by* Patterson, C. **355,** 782
Jensen, R V. Quantum chaos, *Review article,* **355,** 311
Quantum mechanics: Bringing order out of chaos, *News and views,* **355,** 591
Jensen, S E. *See under* Strynadka, N C J., **359,** 700
Jentsch, T J. *See under* Thiemann, A., **356,** 57
See under Gründer, S., **360,** 759
Jett, C M. *See under* Emini, E A., **355,** 728
Jia, Y. *See under* Oliver, S G., **357,** 38
Jiang, Y. *See under* Punch, M., **358,** 477
Jie, L. *See under* Sears, D W G., **357,** 207
Jimenez, A. *See under* Oliver, S G., **357,** 38
Jin, H. *See under* Oksenberg, D., **360,** 161
Jin, S. *See under* Graebner, J E., **359,** 401
Job, D. *See under* Multigner, L., **360,** 33

Joe, E-h. Clustering of voltage-dependent sodium channels on axons depends on Schwann cell contact. (*with* Angelides, K) *Letter to Nature*, **356,** 333
Johns, K. *See under* Strynadka, N C J., **359,** 700
Johnsen, S J. Irregular glacial interstadials recorded in a new Greenland ice core. (*with* Clausen, H B, Dansgaard, W, Fuhrer, K, Gundestrup, N, Hammer, C U, Iversen, P, Jouzel, J, Stauffer, B, Steffensen, J P) *Letter to Nature*, **359,** 311
Johnson, A L. *See under* Lowndes, N F., **357,** 505
See under Lowndes, N F., **355,** 449
Johnson, A M. Sexual lifestyles and HIV risk. (*with* Wadsworth, J, Wellings, K, Bradshaw, S, Field, J) *Commentary*, **360,** 410
Johnson, B J. *See under* Hofmann, D J., **359,** 283
Johnson, C. Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming. (*with* Henshaw, J, McInnes, G) *Letter to Nature*, **355,** 69
Johnson, D R H. *See under* Lehto, H J., **355,** 705
Johnson, J E. *See under* Wang, G., **355,** 275
Johnson, K. *See under* Buxton, J., **355,** 547
See under Aslanidis, C., **355,** 548
Johnson, N A. A test of reciprocal X-Y interactions as a cause of hybrid sterility in *Drosophila*. (*with* Perez, D E, Cabot, E L, Hollocher, H, Wu, C-I) *Letter to Nature*, **358,** 751
Johnson, R D. Electron paramagnetic resonance studies of lanthanum-containing C_{60}. (*with* de Vries, M S, Salem, J, Bethune, D S, Yannoni, C S) *Letter to Nature*, **355,** 239
Johnson-Freese, J. *See under* Handberg, R., **355,** 491
Johnston, A C. Intraplate not always stable. *Scientific correspondence*, **355,** 213
Earthquakes: Building blocks on shaky ground. *News and views*, **355,** 114
Johnston, A E. *See under* Jones, K C., **356,** 137
Johnston, D. *See under* Jaffe, D B., **357,** 244
Johnston, I H. *See under* Lowndes, N F., **357,** 505
See under Lowndes, N F., **355,** 449
Johnston, S. *See under* Thompson, D J., **359,** 615
Johnston, S A. *See under* Tang, D-c., **356,** 152
See under Swaffield, J C., **357,** 698; *Erratum*, **360,** 768
Jolicoeur, T. *See under* Duplantier, B., **356,** 24
Jolly, D C. Adders multiply. *Correspondence*, **359,** 266
Jones, C. *See under* Buxton, J., **355,** 547
Jones, D. Daedalus: Artesian diver. *News and views*, **355,** 116
Daedalus: Second sight. *News and views*, **355,** 24
Daedalus: Noses have ears. *News and views*, **355,** 210
Daedalus: Economy of scale. *News and views*, **355,** 304
Daedalus: Counting stars. *News and views*, **355,** 400
Daedalus: Occult learning. *News and views*, **355,** 502
Daedalus: Digital correctness. *News and views*, **355,** 592
Daedalus: Born again babies. *News and views*, **355,** 682
Daedalus: Spread the word. *News and views*, **355,** 776
Daedalus: Unshellfish. *News and views*, **356,** 20
Daedalus: Evil spirits. *News and views*, **356,** 112
Daedalus: Cries to heaven. *News and views*, **356,** 198
Daedalus: Pinched diamonds. *News and views*, **356,** 292
Daedalus: A drug in a bug. *News and views*, **356,** 568
Daedalus: Not making waves. *News and views*, **356,** 666
Daedalus: Icy blasts. *News and views*, **356,** 388
Daedalus: Exploding comets. *News and views*, **356,** 482
Daedalus: Liquid vision. *News and views*, **356,** 750
Daedalus: Thick skin. *News and views*, **357,** 24
Daedalus: Erotic quality. *News and views*, **357,** 286
Daedalus: Water music. *News and views*, **357,** 446
Daedalus: Pure tones. *News and views*, **357,** 544
Daedalus: A light grip. *News and views*, **358,** 112
Daedalus: Space mothballs. *News and views*, **358,** 196
Daedalus: Breathless hush. *News and views*, **358,** 286
Daedalus: Wood for ever!. *News and views*, **358,** 376
Daedalus: Hot stripping. *News and views*, **357,** 648
Daedalus: Terse comments. *News and views*, **358,** 22
Daedalus: Horn of plenty. *News and views*, **358,** 458
Daedalus: Loaded crystal. *News and views*, **358,** 546
Daedalus: High vacuum. *News and views*, **359,** 592
Daedalus: Past fears. *News and views*, **359,** 678
Sizing up the brain. *Correspondence*, **359,** 768
Tenacious fibres. *News and views*, **359,** 780
Daedalus: Flying dust. *News and views*, **357,** 118
Of animals and men. *Correspondence*, **357,** 187
Daedalus: Raising the roof. *News and views*, **357,** 200
Daedalus: Plastic nightmare. *News and views*, **357,** 366
Daedalus: Billing Big Brother. *News and views*, **358,** 628
Daedalus: The wages of sin. *News and views*, **358,** 716
Daedalus: Fulminating soot. *News and views*, **360,** 22
Daedalus: Natural deception. *News and views*, **359,** 20
Daedalus: Warm feelings. *News and views*, **360,** 112
Daedalus: Metal blowing. *News and views*, **360,** 214
Daedalus: Know thyself!. *News and views*, **359,** 108
Daedalus: Sensitive skin. *News and views*, **359,** 198
Daedalus: Sound moves. *News and views*, **359,** 276
Daedalus: Light fantastic. *News and views*, **359,** 368
Daedalus: Active rigidity. *News and views*, **359,** 484
Daedalus: Hyperfine print. *News and views*, **360,** 304
Daedalus: Forced food. *News and views*, **360,** 422
Daedalus: The iron horse. *News and views*, **360,** 538
Daedalus: Travelling light. **360,** 538
Daedalus: Cold light. **360,** 712
Jones, D T. A new approach to protein fold recognition. (*with* Taylor, W R, Thornton, J M) *Letter to Nature*, **358,** 86
Jones, E G. *Book review by* Young, J Z. **356,** 624
Jones, E R. *Book review by* Wilkie, D. **357,** 206
Jones, E Y. Crystal structure at 2.8 Å resolution of a soluble form of the cell adhesion molecule CD2. (*with* Davis, S J, Williams, A F, Harlos, K, Stuart, D I) *Article*, **360,** 232
Jones, K. Energy researchers fight for survival. *Commentary*, **357,** 636
Jones, K C. Evidence for a decline of PCBs and PAHs in rural vegetation and air in the United Kingdom. (*with* Sanders, G, Wild, S R, Burnett, V, Johnston, A E) *Letter to Nature*, **356,** 137
Jones, M. *See under* Wall, P D., **356,** 120
Jones, P D. . *Book review by* Ruddiman, W F. **358,** 721
Jones, R V. *Book review of* Boffin: A personal story of the early days of radar, radio-astronomy and quantum optics (*by* Brown, R H) **356,** 299
355, 307
Jones, S. *Book review by* Middleton, A E. **356,** 630
Jones-Gotman, M. *See under* Zatorre, R J., **360,** 339
Jonkers, G. Surface catalysis studied by *situ* positron emission. (*with* Vonkeman, K A, van der Wal, S W A, van Santen, R A) *Letter to Nature*, **355,** 63
Surface catalysis studied by *in situ* positron emission. (*with* Vonkeman, K A, van der Wal, S W A, van Santen, R A) *Letter to Nature*, **355,** 63
Jordan, P M. *See under* Louie, G V., **359,** 33
Jordan, R. *See under* Landry, S J., **355,** 455
Jordan, T. *See under* Hill, R E., **355,** 750
Jordi-Evangelista, H. *See under* Marshak, S., **357,** 491
Jorgensen, J L. Mapping T-cell receptor-peptide contacts by variant peptide immunization of single chain-chain transgenics. (*with* Esser, U, de St Groth, B F, Reay, P A, Davis, M M) *Article*, **355,** 224
Joron, J-L. *See under* Maury, R C., **360,** 661
Josephson, B D. Defining consciousness. (*with* Rubik, B A, Fontana, D, Lorimer, D) *Correspondence*, **358,** 618
Correction: Defining consciousness. (*with* Rubik, B A, Fontana, D, Lorimer, D) *Correspondence*, **359,** 472
Joshi, H C. ρ-Tubulin is a centrosomal protein required for cell cycle-dependent microtubule nucleation. (*with* Palacios, M J, McNamara, L, Cleveland, D W) *Letter to Nature*, **356,** 80
Joss, P C. Astronomy: Stars at the quantum limit. *News and views*, **360,** 15
Jössang, P. Homage to Tswett. *Correspondence*, **356,** 100
Jørgensen, B B. *See under* Gundersen, J K., **360,** 454
Joubert, L. *See under* Delattre, O., **359,** 162
Jouzel, J. *See under* Johnsen, S J., **359,** 311
Jovanovic, V. *See under* Van Tol, H H M., **358,** 149
Judge, S J. Neural networks: Stitch in time saves design. *News and views*, **360,** 104
Judson, O. Born to it. *Correspondence*, **357,** 433
Jujii, N. *Journal review by* Holburn, D., **359,** 455
Jukes, T H. Well-being and productivity. *Correspondence*, **358,** 186
What to believe of science. *Correspondence*, **358,** 271
The welfare state. *Correspondence*, **360,** 100
Watch that dog!. *Correspondence*, **360,** 292
Today's non-Orwellian animal farm. *Commentary*, **355,** 582
Julian, B R. *See under* Foulger, G R., **358,** 488
Julian, G E. *See under* Breed, M D., **357,** 685
Julin, A L. No improvement in running?. *Scientific correspondence*, **356,** 21
Julius, M. *See under* Haughn, L., **358,** 328
Jull, A J T. *See under* Meyer, G A., **357,** 147
Juy, M. Three-dimensional structure of a thermostable bacterial cellulase. (*with* Amit, A G, Ahrari, P M, Poljak, R J, Claeyssens, M, Béguin, P, Aubert, J-P) *Letter to Nature*, **357,** 89
Kaartvedt, S. *See under* Van Dover, C L., **358,** 25
Kaczmarek, L K. *See under* Levitan, I B., **359,** 686
Kadhim, M A. Transmission of chromosomal instability after plutonium α-particle irradiation. (*with* Macdonald, D A, Goodhead, D T, Lorimore, S A, Marsden, S J, Wright, E G) *Letter to Nature*, **355,** 738
Kadlubar, F F. Detection of human DNA-carcinogen adducts. *Product review*, **360,** 189
Kaern, J. *See under* Helland, Å., **356,** 23
Kahari, V A. . *Book review by* Smith, P J. **355,** 32
Kahl, S D. *See under* Matsumura, K., **360,** 588
Kahma, K K. *See under* Agrawal, Y C., **359,** 219
Kahn, F D. *Book review of* The fullness of space: Nebulae, stardust, and the interstellar medium (*by* Wynn-Williams, G) **358,** 118
Book review of Dust in the galactic environment (*by* Whittet, D C B) **358,** 118
Kainosho, M. *See under* Kikuchi, K., **357,** 142
Kajimura, K. *See under* Endo, K., **355,** 327
Kajiwara, K. Polymers: Synthetic gels on the move. (*with* Ross-Murphy, S B) *News and views*, **355,** 208
Kaler, J B. *Book review by* Hughes, D W. **356,** 634
Kallen, J. Catalysis steps: Reply. (*with* Spitzfaden, C, Zurini, M G M, Wider, G, Widmer, H, Wüthrich, K, Walkinshaw, M D) *Scientific correspondence*, **356,** 24
Kamachi, M. *See under* Harada, A., **356,** 325
Kameji, T. *See under* Murakami, Y., **360,** 597
Kammen, D M. *See under* Sililyakhter, A I., **357,** 25
Kammlott, G W. *See under* Graebner, J E., **359,** 401
Kamo, S L. *See under* Robb, L J., **357,** 677
Kanai, Y. Primary structure and functional characterization of a high-affinity glutamate transporter. (*with* Hediger, M A) *Letter to Nature*, **360,** 467
See under Chen, J., **360,** 674
Kanbach, G. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Kane, D A. Mitotic domains in the early embryo of the zebrafish. (*with* Warga, R M, Kimmel, C B) *Letter to Nature*, **360,** 735
Kaneko, K. *See under* Li W., **360,** 635
Kang, C H. Crystal structure of four-stranded *Oxytricha* telomeric DNA. (*with* Zhang, X, Ratliff, R, Moyzis, R, Rich, A) *Article*, **356,** 126
Kanner, B I. *See under* Pines, G., **360,** *464*
See under Pines, G., *Erratum*, **360,** 768
Kano, M. Synaptic excitation produces a long-lasting rebound potentiation of inhibitory synaptic signals in cerebellar Purkinje cells. (*with* Rexhausen, U, Dreessen, J, Konnerth, A) *Letter to Nature*, **356,** 601
Kano, T. *Book review by* Zihlman, A. **359,** 786
Kantardjieff, K A. *See under* Choe, S., **357,** 216
Kantha, S S. Productivity drive. *Correspondence*, **356,** 738
Kaper, J M. Science popularity stakes. *Correspondence*, **357,** 531
Kapita, B. . *Book review by* Wilkins, H A. **356,** 393
Kaplan, J-C. *See under* Matsumura, K., **359,** 320
Kappeler, A. *See under* Flamand, A., **360,** 115
Kappler, J W. *See under* Hugo, P., **360,** 679
Kardar, M. *See under* Wen, X., **355,** 426
Karin, N. *See under* Yednock, E A., **356,** 63
Karjalainen, K. *See under* Weber, S., **356,** 793
Karlhofer, F M. MHC class I alloantigen specificity of Ly-49+ IL-2-activated natural killer cells. (*with* Ribaudo, R K, Yokoyama, W M) *Letter to Nature*, **358,** 66
Kasahara, Y. . *Book review by* Malan, G. **358,** 200
Kasereka, B. *See under* Goubau, P., **359,** 201
Kashiwabuchi, N. *See under* Kutsuwada, T., **358,** 36
Kaspar, P. *See under* Stewart, C L., **359,** 76
Kaspi, V M. *See under* Thompson, D J., **359,** 615
Kassner, S. *See under* Birkl, G., **357,** 310
Kastens, K A. *See under* Reynolds, J R., **359,** 493
Kasting, J F. *See under* Caldeira, K., **359,** 226
See under Caldeira, K., **360,** 721
Palaeoclimate: Paradox lost and paradox found. *News and views*, **355,** 676
Katan, L L. Multiplicity of migrants. *Commentary*, **358,** 183
Kates, R W. . *Book review by* Rosenzweig, C. **355,** 781
Kato, R. *Journal review by* Phillips, I R., **359,** 444
Kato, T. *See under* Shinohara, H., **357,** 52
Katz, A. Subunits βγ of heterotrimeric G protein activate β2 isoform of phospholipase C. (*with* Wu, D, Simon, M I) *Letter to Nature*, **360,** 686
Katz, J. Why cheat?. *Correspondence*, **358,** 10
Motive to sin. *Correspondence*, **359,** 769
Physics lesson. *Correspondence*, **355,** 490
Katzav, S. *See under* Margolis, B., **356,** 71
Kawabata, S. Alzheimer's retraction. (*with* Higgins, G A, Gordon, J W) *Scientific correspondence*, **356,** 23
Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein. (*with* Higgins, G A, Gordon, J W) *Letter to Nature*, **356,** 265
Kawabe, U. *See under* Harada, K., **360,** 51
Kawabi, Y. *See under* Ochi, A., **355,** 211
Kawaguchi, T. *See under* Aso, T., **355,** 461
Kawai, T. *See under* Kondo, T., **358,** 515
Kay, R R. *See under* Simon, M-N., **356,** 171
Kaya, H K. *Journal review by* Sunderland, K., **359,** 450
Kazakov, V S. Thyroid cancer after Chernobyl. (*with* Demidchik, E P, Astakhova, L N) *Scientific correspondence*, **359,** 21
Kazmierski, W M. *See under* Lam, K S., **358,** 434; *Correction*, **360,** 768
Kazmer, S. *See under* Levin, A A., **355,** 359
Kealey, T. British science. *Correspondence*, **357,** 272
Growth of science. *Correspondence*, **358,** 533
Keel, W C. *See under* White, R E III., **359,** 129
See under White, R E III., **359,** 655
Keeling, R F. Seasonal and interannual variations in atmospheric oxygen and implications for the global carbon cycle. (*with* Shertz, S R) *Article*, **358,** 723
Keigwin, L D. *See under* Lehman, S J., **356,** 757
See under Lehmann, S J., **358,** 197
Keil, P. *See under* Söllner, T., **355,** 84
Keir, R. Climate change: Packing away carbon isotopes. *News and views*, **357,** 445
Carbon isotopes and carbon cycling. *News and views*, **357,** 446
Keizer, K. *See under* Kumar, K-N P., **358,** 48
Kelemen, P B. Formation of harzburgite by pervasive melt/rock reaction in the upper mantle. (*with* Dick, H J B, Quick, J E) *Article*, **358,** 635
Kell, D B. *See under* Goodacre, R., **359,** 594
Keller, C. *See under* Mitsuhashi, M., **357,** 519
Keller, C U. Resolution of magnetic flux tubes on the Sun. *Letter to Nature*, **359,** 307
Keller, M D. *See under* Townsend, D W., **360,** 59
Kellermayer, M. Science reforms in Hungary. *Correspondence*, **355,** 291
Kelley, J M. *See under* Adams, M D., **355,** 632
Kelly, A. *See under* Oliver, S G., **357,** 38
See under Kleijmeer, M J., **357,** 342
Assembly and function of the two ABC transporter proteins encoded in the human major histocompatibility complex. (*with* Powis, S H, Kerr, L-A, Mockridge, I, Elliott, T,

Bastin, J. Uchanska-Ziegler, B. Ziegler, A. Trowsdale, J. Townsend, A) *Letter to Nature*, **355**, 641
Kelly, K. *See under* Franzoso, G., **359**, 339
Kelly, P M. Solar cycle length, greenhouse forcing and global climate. (*with* Wigley, T M L) *Letter to Nature*, **360**, 328
Kempenaers, B. Extra-pair paternity results from female preference for high-quality males in the blue tit. (*with* Verheyen, G R, Van den Broeck, M, Burke, T, Van Broeckhoven, C, Dhondt, A A) *Letter to Nature*, **357**, 494
Kendrick-Jones, J. *See under* Tinsley, J M., **360**, 591
Kennaway, A. Handicaps to British 'innovation', *Commentary*, **355**, 198
Kennedy, D C. Which theory?, *Scientific correspondence*, **357**, 449
Kennedy, J. *See under* Van Tol, H H M., **358**, 149
Kennedy, J A. Molecular records of twentieth-century El Niño events in laminated sediments from the Santa Barbara basin. (*with* Brassell, S C) *Letter to Nature*, **357**, 62
Kennedy, J L. *See under* Lichter, J B., **360**, 424
Kennedy, J S. *Book review by* Ridley, M., **359**, 280
Kennedy, M J. Ancient microbe database, *Scientific correspondence*, **360**, 634
Kennedy, P. *See under* Schneider, A., **358**, 758
Kennicutt, R C Jr. *See under* Braun, R., **360**, 442
Kent, B J. *See under* Cooke, B A., **355**, 61
Kenyon, C. *See under* Salser, S J., **355**, 255
See under Salser, S J., **355**, 255
Keppenne, C L. Extreme weather events. (*with* Ghil, M) *Scientific correspondence*, **358**, 547
Kerlavage, A R. *See under* Adams, M D., **355**, 632
Kern, R A. Carbon stores in vegetation. (*with* Schlesinger, W H) *Scientific correspondence*, **357**, 447
Kerr, L-A. *See under* Kelly, A., **355**, 641
Kerrich, R. Mineral deposits: Continents ring the changes, *News and views*, **358**, 16
Kerrick, A D. *See under* Punch, M., **358**, 477
Keshet, E. *See under* Shweiki, D., **359**, 843
Keskar, N R. Negative Poisson ratios in crystalline SiO_2 from first-principles calculations. (*with* Chelikowsky, J R) *Letter to Nature*, **358**, 222
Keske, J M. *See under* Moser, C C., **355**, 796
Kesteven, M J. *See under* Staveley-Smith, L., **355**, 147
Kevles, D J. . *Book review by* Brenner, S., **358**, 27
Keyse, S M. Oxidative stress and heat shock induce a human gene encoding a protein-tyrosine phosphatase. (*with* Emslie, E A) *Letter to Nature*, **359**, 644
Khakhar, D V. *See under* Agarwal, U S., **360**, 53
Khandekar, J D. Defining science, *Correspondence*, **356**, 653
Khurana, T S. *See under* Anderson, M S., **355**, 778
Kiehl, J T. Ozone depletion: Cold comfort in the greenhouse, *News and views*, **355**, 773
Kienle, J. *See under* Begét, J E., **356**, 701
Kier, A B. *See under* Shull, M M., **359**, 693
Kikuchi, K. NMR characterization of isomers of C_{70}, C_{72} and C_{84} fullerenes. (*with* Nakahara, N, Wakabayashi, T, Suzuki, S, Shiromaru, H, Miyake, Y, Saito, K, Ikemoto, I, Kainosho, M, Achiba, Y) *Letter to Nature*, **357**, 142
Kileen, N E B. *See under* Staveley-Smith, L., **355**, 147
Kiln, M R. Human insulin. (*with* Sugarman, A) *Correspondence*, **358**, 10
Kim, J. Crystallographic structure and functional implications of the nitrogenase molybdenum-iron protein from *Azotobacter vinelandii*. (*with* Rees, D C) *Article*, **360**, 553
Kim, P M H. *See under* Hamilton, K K., **356**, 725
Kim, S. *See under* Malone, R E., **359**, 154
Kim, S-J. Retinoblastoma gene product activates expression of the human *TGF-β2* gene through transcription factor ATF-2. (*with* Wagner, S, Liu, F, O'Reilly, M A, Robbins, P D, Green, M R) *Letter to Nature*, **358**, 331
Kim, Y. *See under* Sievering, H., **360**, 571
Kimber, W L. *See under* Dorin, J R., **359**, 211
Kimmel, C B. *See under* Kane, D A., **360**, 735
Kimura, T. Structure and expression of a human oxytocin receptor. (*with* Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) *Letter to Nature*, **356**, 526
Structure and expression of a human oxytocin receptor (Correction) . (*with* Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) *Letter to Nature*, **357**, 176
Kincaid, R L. *See under* O'Keefe, S J., **357**, 692
King, D A. *See under* Al-Sarraf, N., **360**, 243
See under Hu, P., **360**, 655
King, D L. *See under* van Kerkwijk, M H., **355**, 703
King, J P. *Book review by* Gardner, M., **358**, 28
King, L A. Page charges, *Correspondence*, **358**, 534
Kinlen, L J. *Journal review of* European journal of cancer prevention. (*Edited by* Hill, M J, Giacosa, A) **359**, 443
Kinny, P D. A mantle metasomatic injection event linked to late Cretaceous kimberlite magmatism. (*with* Dawson, J B) *Letter to Nature*, **360**, 726
Kinoshita, K. A new copper oxide superconductor containing carbon. (*with* Yamada, T) *Letter to Nature*, **357**, 313
Kinzler, K W. *See under* Oliner, J D., **358**, 80
See under Powell, S M., **359**, 235
See under Vogelstein, B., **355**, 209
Kipfstuhl, J. *See under* Oerter, H., **358**, 399
Kirchner, J W. Predicted response of stream chemistry to acid loading tested in Canadian catchments. (*with* Dillon, P J, LaZerte, B D) *Letter to Nature*, **358**, 478
Kirk, J G. X-ray flares from runaway pair production in active galactic nuclei. (*with* Mastichiadis, A) *Letter to Nature*, **360**, 135
Kirk, R M. *See under* Colhoun, E A., **358**, 316
Kirkbride, M P. *See under* Summerfield, M A., **355**, 306
Kirkpatrick, L D. *Journal review by* Barnard, T., **359**, 463
Kirkpatrick, M. *Book review of* Sperm competition in birds: evolutionary causes and consequences (*by* Birkhead, T R) **357**, 30
Kishihara, K. *See under* Molina, T J., **357**, 161
Kisslinger, C. Earthquakes: Sizing up the threat, *News and views*, **355**, 18
Kitaigorodskii, S A. *See under* Agrawal, Y C., **359**, 219
Kitajima, S. *See under* Aso, T., **355**, 461
Kitamura, D. Targeted disruption of μ chain membrane exon causes loss of heavy-chain allelic exclusion. (*with* Rajewsky, K) *Letter to Nature*, **356**, 154
See under Rajewsky, K., **359**, 371
Klaffke, O. Swiss vote for biotechnology, with controls, *News*, **357**, 181
Swiss launch environment programme, *News*, **358**, 531
Sandoz-funded research from Rhine spill suggests blockages are worse than toxins. (*with* Abbott, A) *News*, **359**, 568
Klaidman, S. *Book review by* Relman, A S., **356**, 754
Klas, M. *See under* Bond, G., **360**, 245
Klausner, R D. *See under* Donaldson, J G., **360**, 350
Klavetter, F. *See under* Gustafsson, G., **357**, 477
Klebesadel, R W. *See under* Fenimore, E E., **357**, 140
Kleihues, P. *Journal review by* Kosik, K S., **359**, 446
Kleijmeer, M J. Location of MHC-encoded transporters in the endoplasmic reticulum and *cis*-Golgi. (*with* Kelly, A, Geuze, H J, Slot, J W, Townsend, A, Trowsdale, J) *Letter to Nature*, **357**, 342
Klein, G. *Book review of* The fragile species (*by* Thomas, L) **358**, 115
Book review by Mitchison, N A., **360**, 388
Klein, J. *Journal review by* Copeland, N G., **359**, 440
Kleinfeld, L *See under* Owen, T., **358**, 43
Kleinhans, U. *See under* Oliver, S G., **357**, 38
Kleinrock, M C. *See under* Larson, R L., **356**, 571
Klemm, A. Crystal faces, *Scientific correspondence*, **357**, 120
Klenk, H-D. *See under* Hallenberger, S., **360**, 358
Klesss, C. Different ß-subunits determine G-protein interaction with transmembrane receptors. (*with* Scherübl, H, Hescheler, J, Schultz, G, Wittig, B) *Letter to Nature*, **358**, 424
Kleyn, A W. Surface chemistry: Making and breaking bonds, *News and views*, **356**, 477
Kliewer, S A. Convergence of 9-*cis* retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors. (*with* Umesono, K, Noonan, D J, Heyman, R A, Evans, R M) *Letter to Nature*, **358**, 771
Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D_3 signalling. (*with* Umesono, K, Mangelsdorf, D J, Evans, R M) *Letter to Nature*, **355**, 446
Klitz, W. Immunogenetics: Viruses, cancer and the MHC, *News and views*, **356**, 17
Klug, A. *Journal review by* Blow, D., **359**, 448
Knapp, R J. *See under* Lam, K S., **358**, 434; *Correction*, **360**, 768
Knauer, F. *See under* Höss, M., **359**, 199
Knauer, G A. *See under* Asper, V L., **357**, 670
Kniaz, K. *See under* Zhu, Q., **355**, 712
Kniffen, D A. *See under* Bertsch, D L., **357**, 306
See under Thompson, D J., **359**, 615
Knight, A E. *See under* Tinsley, J M., **360**, 591
Knight, B. Script handedness, *Scientific correspondence*, **357**, 202
Differences in brain size, *Correspondence*, **358**, 531
Knight, D. *Book review by* Harman, P., **359**, 785
Knight, P. Quantum optics: Practical Schrödinger's cats, *News and views*, **357**, 438
Knoll, A H. Latest Proterozoic stratigraphy and Earth history. (*with* Walter, M R) *Review article*, **356**, 673
Knorr, R. *See under* Cammarota, G., **356**, 799
Knowles, B B. *See under* Vukmanovic, S., **359**, 729
Knowlton, N. Confusion of kingdoms, *Scientific correspondence*, **359**, 488
Knutton, S. Actin in cell attachment. (*with* Baldwin, T, Williams, P) *Scientific correspondence*, **359**, 369
Kobayashi, T. *Journal review by* Walmsley, I., **359**, 454
A functional barrier to movement of lipids in polarized neurons. (*with* Storrie, B, Simons, K, Dotti, C G) *Letter to Nature*, **359**, 647
Koch, P L. Correlation between isotope records in marine and continental carbon reservoirs near the Palaeocene/Eocene boundary. (*with* Zachos, J C, Gingerich, P D) *Letter to Nature*, **358**, 319
Koch, W J. *See under* Inglesc, J., **359**, 147
Kodama, T. *See under* Shinohara, H., **357**, 52
Koepsell, H. *See under* Pines, G., **360**, 464
See under Pines, G., *Erratum*, **360**, 768
Kohlstedt, D L. *See under* Bai, Q., **357**, 672
Kohn, M. *See under* Höss, M., **359**, 199
Kokame, K. Lipid modification at the N terminus of photoreceptor G-protein α-subunit. (*with* Fukada, Y, Yoshizawa, T, Takao, T, Shimonishi, Y) *Letter to Nature*, **359**, 749
Kokufuta, E. *See under* Wen, X., **355**, 426
Kolb, C E. *See under* Herschbach, D R., **356**, 414
Kolbeck, R. *See under* Sendtner, M., **360**, 757
Koller, B H. *See under* Tarleton, R L., **356**, 338
Komamine, A. *Journal review by* Rubery, P., **359**, 439
Komarneni, S. *See under* Paulus, W J., **357**, 571
Komdeur, J. Importance of habitat saturation and territory quality for evolution of cooperative breeding in the Seychelles warbler. *Letter to Nature*, **358**, 493; *Erratum*, **360**, 768
Kominos, D. *See under* Waksman, G., **358**, 646
Komiyama, N. *See under* Nagai, K., **355**, 777
Komiyama, N H. *See under* Looker, D., **356**, 258
Kondo, S. *See under* Harada, K., **360**, 51
Kondo, T. Structural basis of blue-colour development in flower petals from *Commelina communis*. (*with* Yoshida, K, Nakagawa, A, Kawai, T, Tamura, H, Goto, T) *Letter to Nature*, **358**, 515
Kondrashov, A S. Species and speciation, *Scientific correspondence*, **356**, 752
Kong, L S L. *See under* Purdy, G M., **355**, 815
Konig, M. *See under* Lolait, S J., **357**, 336
König, R. MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8. (*with* Huang, L-Y, Germain, R N) *Letter to Nature*, **356**, 796
Konnerth, A. *See under* Kano, M., **356**, 601
Köntgen, F *See under* Stewart, C L., **359**, 76
Koo, E H. *See under* Haass, C., **357**, 500
See under Haass, C., **359**, 322
Kooyman, G L. *See under* Ancel, A., **360**, 336
Kopylov, N. *See under* Kortan, A R., **360**, 566
See under Kortan, A R., **355**, 529
Kornberg, A. . *Book review by* Wickner, S., **355**, 406
Korneluk, R G. *See under* Aslanidis, C., **355**, 548
Kortan, A R. Superconductivity in barium fulleride. (*with* Kopylov, N, Glarum, S, Gyorgy, E M, Ramirez, A P, Fleming, R M, Zhou, O, Thiel, F A, Trevor, P L, Haddon, R C) *Letter to Nature*, **360**, 566
Superconductivity at 8.4K in calcium-doped C_{60}. (*with* Kopylov, N, Glarum, S, Gyorgy, E M, Ramirez, A P, Fleming, R M, Thiel, F A, Haddon, R C) *Letter to Nature*, **355**, 529
Kosaras, B. *See under* Suter, U., **356**, 241
Koshland Jr, D E. *See under* Stoddard, B L., **358**, 774
Kosik, K S. *Journal review of* Brain pathology. (*Edited by* Kleihues, P) **359**, 446
Koslowsky, D J. *In vitro* guide RNA/mRNA chimaera formation in *Trypanosoma brucei* RNA editing. (*with* Göringer, H U, Morales, T H, Stuart, K) *Letter to Nature*, **356**, 807
Kost, A. *See under* Tutt, L W., **356**, 225
Kostrub, C F. *See under* Finkelstein, A., **355**, 464
Kostura, M J. *See under* Thornberry, N A., **356**, 768
Koudelka, G B. DNA twisting and the effects of non-contacted bases on affinity of 434 operator for 434 repressor. (*with* Carlson, P) *Letter to Nature*, **355**, 89
Koutchmy, S. Three-dimensional image of the solar corona from white-light observations of the 1991 eclipse. (*with* Molodensky, M M) *Letter to Nature*, **360**, 717
Koutsoukos, A D. *See under* Rubinstein, I. V., **357**, 106
Kouveliotou, C. *See under* Meegan, C A., **355**, 143
Kovach, Y. Nikola Tesla, *Correspondence*, **355**, 292
Kovar, H. *See under* Delattre, O., **359**, 162
Koziol, J A. *See under* Tuckwell, H C., **359**, 200
Kozlov, J V. *See under* Sandvig, K., **358**, 510
Krabbe, A. *See under* Eckart, A., **355**, 526
Kraft, A. *See under* Burn, P L., **356**, 47
Kramer, D. Argonne laboratory: Report backs whistleblower, *News*, **356**, 469
Fusion reactor finds delay is price of global cooperation, *News*, **358**, 269
Kratzeisen, Cl. *See under* Levin, A A., **355**, 359
Kraulis, P J. Structure of the DNA-binding domain of zinc GAL4. (*with* Raine, A R C, Gadhavi, P L, Laue, E D) *Letter to Nature*, **356**, 448
Kraus, S D. *See under* Ford, T J Jr., **359**, 680
Krause, D W. *See under* Fox, R C., **358**, 233
See under Fox, R C., **360**, 540
Krause, H M. *See under* Fitzpatrick, V D., **356**, 610
Krauss, L M. Reopening the solar neutrino question, *News and views*, **357**, 437
Solar neutrinos: Is no SNUs good news?, *News and views*, **355**, 399
Krauss, S. Zebrafish *pax[b]* is involved in the formation of the midbrain-hindbrain boundary. (*with* Maden, M, Holder, N, Wilson, S W) *Letter to Nature*, **360**, 87
See under Holland, P., **358**, 627
Kravit, N G. *See under* Holzbaur, E L F., **360**, 695
Kreis, T. *See under* Hosobuchi, M., **360**, 603
Kreisl, P. *See under* Oliver, S G., **357**, 38
Kresge, C T. Ordered mesoporous molecular sieves synthesized by a liquid-crystal template mechanism. (*with* Leonowicz, M E, Roth, W J, Vartuli, J C, Beck, J S) *Letter to Nature*, **359**, 710
Kretzner, L. Myc and Max proteins possess distinct transcriptional activities. (*with* Blackwood, E M, Eisenman, R N) *Letter to Nature*, **359**, 426
Kreutzberg, G W. *See under* Sendtner, M., **358**, 502
See under Sendtner, M., **360**, 541
Krimsky, S. *Book review by* Fincham, J R S., **356**, 203
Kring, D A. Petrogenesis of an auxite-bearing melt rock in the Chicxulub structure and its relationship to K/T impact spherules in Haiti. (*with* Boynton, W V) *Letter to Nature*, **358**, 141
Krishna, S. Tetrameric cell-surface MHC class I molecules. (*with* Benaroch, P, Pillai, S) *Letter to Nature*, **357**, 164
Krishtalka, L. Palaeontology: In the Grube in the Eocene, *News and views*, **355**, 296
355, 405

Kristensen, T. *See under* Lopez, R., **355,** 211
Krolik, H. *See under* Wendorf, F., **359,** 721
Kroll, G H. *See under* Ohno, T R., **355,** 401
Kron, R G. *See under* Peebles, P J E., **357,** 288
Kroto, H W. *See under* Birkett, P R., **357,** 479
Carbon onions introduce new flavour to fullerene studies, *News and views,* **359,** 670
See under Taylor, R., **355,** 27
Krowitz, E. British science, *Correspondence,* **360,** 406
Krowitz, E J. UK science, *Correspondence,* **358,** 186
Krull, I S. Capillary electrophoresis: the promise and the practice, (*with* Mazzeo, J R) *Product review,* **357,** 92
Krumlauf, R. *See under* Guthrie, S., **356,** 157
See under Marshall, H., **360,** 737
Kruss, P D. *See under* Hastenrath, S., **355,** 503
Krüger, D H. *See under* Meisel, A., **355,** 467
Ktistakis, N T. Action of brefeldin A blocked by activation of a pertussis-toxin-sensitive G protein, (*with* Linder, M E, Roth, M G) *Letter to Nature,* **356,** 344
Kubo, Y. *See under* Tanigaki, K., **356,** 419
See under Ebbesen, T W., **355,** 620
Kuby, J. *Book review by* Scott, D W. **358,** 632
Kudo, H. Observation of hypervalent ClLi by Knudsen-effusion mass spectrometry, *Letter to Nature,* **355,** 432
Kuehn, M J. P pili in uropathogenic *E. coli* are composite fibres with distinct fibrillar adhesive tips, (*with* Heuser, J, Normark, S, Hultgren, S J) *Letter to Nature,* **356,** 252
Kuhn, W R. Palaeoclimatology: Avoiding a permanent ice age, *News and views,* **359,** 196
Kulkarni, S R. Identification of the nebula G70.7+1.2 as a bow shock powered by a pulsar/Be-star binary, (*with* Vogel, S N, Wang, Z, Wood, D O S) *Letter to Nature,* **360,** 139
X-ray detection of the eclipsing millisecond pulsar PSR1957+20, (*with* Phinney, E S, Evans, C R, Hasinger, G) *Letter to Nature,* **359,** 300
Kullmann, D M. Long-term potentiation is associated with increases in quantal content and quantal amplitude, (*with* Nicoll, R A) *Letter to Nature,* **357,** 240
Kumagai, S. *See under* Murakami, M., **357,** 77
Kumakhov, M A. A neutron lens, (*with* Sharov, V A) *Letter to Nature,* **357,** 390
See under Chen, H., **357,** 391
Kumanishi, T. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
Kumar, K-N P. Densification of nanostructured titania assisted by a phase transformation, (*with* Keizer, K, Burggraaf, A J, Okubo, T, Nagamoto, H, Morooka, S) *Letter to Nature,* **358,** 48
Kunau, W-H. *See under* Wiebel, F F., **359,** 73
Kung, H-F. *See under* Nara, P., **360,** 215
Kunkel, L M. *See under* Anderson, M S., **355,** 778
Kuo, C J. Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase, (*with* Chung, J, Fiorentino, D F, Flanagan, W M, Blenis, J, Crabtree, G R) *Letter to Nature,* **358,** 70
A transcriptional hierarchy involved in mammalian cell-type specification, (*with* Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) *Letter to Nature,* **355,** 457
Kuriyama, R. *See under* Nislow, C., **359,** 543
Kuriyan, J. *See under* Waksman, G., **358,** 646
Transcription factors: DNA recognition, warts and all, (*with* Burley, S K) *News and views,* **359,** 476
Kuroiwa, A. *See under* Guthrie, S., **356,** 157
Kuroshima, S. *See under* Tanigaki, K., **356,** 419
Kurth, W S. Magnetic storms: Tweaking the magnetosphere, *News and views,* **356,** 18
Kurz, T W. Myocardial infarction: The ACE of hearts, *News and views,* **359,** 588
Kushiya, E. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
Kutsuwada, T. *See under* Meguro, H., **357,** 70
Molecular diversity of the NMDA receptor channel, (*with* Kashiwabuchi, N, Mori, H, Sakimura, K, Kushiya, E, Araki, K, Meguro, K, Masaki, H, Kumanishi, T, Arakawa, M, Mishina, M) *Article,* **358,** 36
Kutzbach, J E. *See under* Prell, W L., **360,** 647
Kuwabara, T. *See under* Ueno, A., **356,** 136
Kuznetsov, E. *Journal review by* Shlesinger, M., **359,** 453
Kuznetsov, S A. Actin-dependent organelle movement in squid axoplasm, (*with* Langford, G M, Weiss, D G) *Letter to Nature,* **356,** 722
Kwiatkowski, D. *See under* Hill, A V S., **355,** 403
Kwok, P W. *See under* Bertsch, D L., **357,** 306
Kyriakis, J M. Raf-1 activates MAP kinase-kinase, (*with* App, H, Zhang, X-f, Banerjee, P, Brautigan, D L, Rapp, U R, Avruch, J) *Letter to Nature,* **358,** 417
L'Haridon, R. *See under* Delmas, B., **357,** 417
Labeyrie, L. *See under* Duplessy, J C., **358,** 485
See under Bond, G., **360,** 245
Lacis, A A. Global warming: Keeping the Sun in proportion, (*with* Carlson, B E) *News and views,* **360,** 297
Lacroix, B. *See under* Chumakov, I., **359,** 380
Ladogana, A. *See under* Xi, Y G., **356,** 598
Lafage, M. *See under* Lafon, M., **358,** 507
Lafaille, J j. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Lafay, F. *See under* Flamand, A., **360,** 115
LaFollette, M. *Book review by* Mervis, J., **359,** 787
Lafon, M. Evidence for a viral superantigen in humans, (*with* Lafage, M, Martinez-Arends, A, Ramirez, R, Vuillier, F, Charron, D, Lotteau, V, Scott-Algara, D) *Letter to Nature,* **358,** 507
Superantigen data, *Scientific correspondence,* **360,** 423
Lago, A J. Human rights in Cuba, *Correspondence,* **356,** 470
Lai, C-C. *See under* Lee, E Y-H P., **359,** 288
Laimins, L A. *See under* Hegde, R S., **359,** 505
Laj, C. Geomagnetic reversal paths, (*with* Mazaud, A, Weeks, R, Fuller, M, Herrero-Bervera, E) *Scientific correspondence,* **359,** 111
Lakes, R. New materials: No contractile obligations, *News and views,* **358,** 713
Lal, A K. Indian bureaucracy, *Correspondence,* **358,** 706
Laloueł, J-M. *See under* Lifton, R P., **355,** 262
Lam, K S. A new type of synthetic peptide library for identifying ligand-binding activity: Correction, (*with* Salmon, S E, Hersh, E M, Hruby, V J, Kazmeierski, W M, Knapp, R J) *Letter to Nature,* **358,** 434; *Correction,* **360,** 768
LaMarca, M E. *See under* Tybulewicz, V L J., **357,** 407
Lamb, M J. *See under* Jablonka, E., **356,** 752
Lamb, R C. *See under* Punch, M., **358,** 477
Lambeck, K. Constraints on the age and duration of the last interglacial period and on sea-level variations, (*with* Nakada, M) *Article,* **357,** 125
Lambert, R. *See under* Louie, G V., **359,** 33
Lambert, R M. *See under* Moggridge, G D., **358,** 658
Lamers, H J G L M. *See under* de Groot, M J H., **355,** 422
LaMont, J T. *See under* Bhaskar, K R., **360,** 458
Lampe, D. *See under* Rosegrant, S., **358,** 462
Lanctot, A M. *See under* Gussoni, E., **356,** 435
Land, H. *See under* Amati, B., **359,** 423
Land, M F. Predictable eye-head coordination during driving, *Letter to Nature,* **359,** 318
Land, T. Drug piracy: Combating counterfeit drugs, *News,* **355,** 192
Environmental politics: The Danube: Dams over troubled waters, *News,* **355,** 289
Saving Russian science: Stopping the Russian nuclear brain drain, *News,* **355,** 576
Nuclear power: East Europe's reactors in trouble, *News,* **355,** 98
Energy and environment: Nuclear wastes seek home, *News,* **355,** 580
Blighted woodlands: Environment project in Poland, *News,* **355,** 580
Landry, S J. Different conformations for the same polypeptide bound to chaperones DnaK and GroEL, (*with* Jordan, R, McMacken, R, Gierasch, L M) *Letter to Nature,* **355,** 455
Landsberg, J P. Absence of aluminium in neuritic plaque cores in Alzheimer's disease, (*with* McDonald, B, Watt, F) *Letter to Nature,* **360,** 65
Landsberg, P T. *Book review of* Thermodynamics: Foundations and applications (*by* Gyftopoulos, E P) **356,** 28
Lane, D P. Cancer: p53, guardian of the genome, *News and views,* **358,** 15
Checkpoint policing by p53, *Scientific correspondence,* **359,** 486
Lane, E B. A mutation in the conserved helix termination peptide of keratin 5 in hereditary skin blistering, (*with* Rugg, E L, Navsaria, H, Leigh, I M, Heagerty, A H M, Ishida-Yamamoto, A, Eady, R A J) *Letter to Nature,* **356,** 244
Lane, W S. *See under* Chicz, R M., **358,** 764
See under Guo, H-C., **360,** 364
Lanfranchi, G. *See under* Oliver, S G., **357,** 38
Lang, F. *Journal review by* Stanfield, P R., **359,** 441
Lang, J. *See under* Bachmann, P A., **357,** 57
Lang, P M. *See under* Steele, L P., **358,** 313
Lang, Y. *See under* Büeler, H., **356,** 577
Langenhorst, F. Effect of temperature on shock metamorphism of single-crystal quartz, (*with* Deutsch, A, Stöffler, D, Hornemann, U) *Letter to Nature,* **356,** 507
Langer, E. *See under* Slemr, F., **355,** 434
Langer, R. *See under* Simons, M., **359,** 67
Langer, T. Successive action of DnaK, DnaJ and GroEL along the pathway of chaperone-mediated protein folding, (*with* Lu, C, Echols, H, Flanagan, J, Hayer, M K, Hartl, F U) *Article,* **356,** 683
Langereis, C G. Longitudinal confinement of geomagnetic reversal paths as a possible sedimentary artefact, (*with* van Hoof, A A M, Rochette, P) *Letter to Nature,* **358,** 226
Langford, C H. *See under* McConnell, J C., **355,** 150
Langford, G M. *See under* Kuznetsov, S A., **356,** 722
Langley, G J. *See under* Taylor, R., **355,** 27
Langmuir, C H. *See under* Reynolds, J R., **359,** 493
Langner, J. Anthropogenic influence on the distribution of tropospheric sulphate aerosol, (*with* Rodhe, H, Crutzen, P J, Zimmermann, P) *Letter to Nature,* **359,** 712
Langway, C C. *See under* Leuenberger, M., **357,** 488
Lansing Taylor, D. *See under* Hahn, K., **359,** 736
Lanyon, S. *See under* Engel, J., **360,** 405
Lanza, A. *See under* Abramowicz, M A., **356,** 41
Lanzavecchia, A. Irreversible association of peptides with class II MHC molecules in living cells, (*with* Reid, P A, Watts, C) *Letter to Nature,* **357,** 249
Lao, Y. Increased production of cosmogenic ^{10}Be during the Last Glacial Maximum, (*with* Anderson, R F, Broecker, W S, Trumbore, S E, Hofmann, H J, Wolfli, W) *Letter to Nature,* **357,** 576
Larkman, A. Presynaptic release probability influences the locus of long-term potentiation, (*with* Hannay, T, Stratford, K, Jack, J) *Letter to Nature,* **360,** 70
Laros, J. *See under* Fenimore, E E., **357,** 140
Larralde, H. Territory covered by *N* diffusing particles, (*with* Trunfio, P, Havlin, S, Stanley, H E, Weiss, G H) *Letter to Nature,* **355,** 423
Larrick, J W. *See under* Siebert, P D., **359,** 557
Larsen, E. *See under* Gundersen, J K., **360,** 454
Larson, R L. Roller-bearing tectonic evolution of the Juan Fernandez microplate, (*with* Searle, R C, Kleinrock, M C, Schouten, H, Bird, R T, Naar, D F, Rusby, R I, Hooft, E E, Lasthiotakis, H) *Article,* **356,** 571
Larson, S B. *See under* Harris, L J., **360,** 369
Larsson, G. *See under* Cedergren-Zeppezauer, E S., **355,** 740
Lasenby, A N. *See under* Watson, R A., **357,** 660
Lasic, D D. Mixed micelles in drug delivery, *Product review,* **355,** 279
Laskey, R. *Journal review by* Little, P., **359,** 440
Lasser-Ross, N. *See und..r* Jaffe, D B., **357,** 244
Lasters, I. *See under* Desmet, J., **356,** 539
Lasthiotakis, H. *See under* Larson, R L., **356,** 571
Latchman, D. No diabetes link to hsp65?, *Scientific correspondence,* **356,** 114
Latham, J A. *See under* Bock, L C., **355,** 564
Lathrop, G M. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Lathrop, M. *See under* Weissenbach, J., **359,** 794
Latour, A. *See under* Tarleton, R L., **356,** 338
Laude, H. *See under* Delmas, B., **357,** 417
Laue, E D. *See under* Kraulis, P J., **356,** 448
Läuger, P. *Book review by* Stevens, C F, **356,** 487
Lauher, J W. *See under* Stephens, P W., **355,** 331
See under Stephens, P W., **355,** 331
Laurence, J. Superantigen implicated in dependence of HIV-1 replication in T cells on TCR Vß expression, (*with* Hodtsev, A S, Posnett, D N) *Letter to Nature,* **358,** 255
Lauwereys, M. *See under* Martinez, C., **356,** 615
Lauzé, E. *See under* Franzusoff, A., **355,** 173
LaVaute, T. *See under* Malnati, M S., **357,** 702
Lave, L B. Uncertainties of climate change, (*with* Dowlatabadi, H, McRae, G J, Morgan, M G, Rubin, E S) *Correspondence,* **355,** 197
Lawler, A. NASA carves up science programme, *News,* **359,** 659
Lawler, M E. CHON as a component of dust from comet Halley, (*with* Brownlee, D E) *Letter to Nature,* **359,** 810
Lawn, R M. Atherogenesis in transgenic mice expressing human apolipoprotein(a) , (*with* Wade, D P, Hammer, R E, Chiesa, G, Verstuyft, J G, Rubin, E M) *Letter to Nature,* **360,** 670
Lawrence, M A. *See under* Punch, M., **358,** 477
Lawrence, P A. Developmental biology: Lighting up *Drosophila,* (*with* Morata, G) *News and views,* **356,** 107
Book review by Rubin, G M, **357,** 123
Book review of Models for embryonic periodicity (*by* Held, L I Jr) **358,** 720
Laws Jr, E R. , *Book review by* Hay, A. **357,** 653
Lawson, M. Australia: New research centres, *News,* **355,** 9
Australia: Woman to head CSIRO, *News,* **355,** 9
Australia: Funding scheme dies, *News,* **355,** 663
Australia: Science city launched, *News,* **356,** 5
Uninnovative Japan, *Correspondence,* **356,** 652
Biotech patents: Australia says yes, *News,* **356,** 372
Australia steps up, *News,* **356,** 469
Australian universities squeezed, *News,* **357,** 101
New Zealand tries to bring science closer to industry, *News,* **357,** 620
Australia increases funds for grants and applied research, *News,* **358,** 700
Squabbling over Australian science, *News,* **360,** 504
Lawton, J H. Ecology: Feeble links in food webs, *News and views,* **355,** 19
Lay, T. Seismology: Wrinkles on the inside, *News and views,* **355,** 768
LaZerte, B D. *See under* Kirchner, J W., **358,** 478
Lazier, J R N. *See under* Mann. K H., **358,** 30
Le Mahe, Y. *See under* Ancel, A., **360,** 336
Le Moüël, J L. Changes in Earth rotation rate, (*with* Courtillot, V, Jault, D) *Scientific correspondence,* **355,** 26
Le Padler, D. *See under* Chumakov, I., **359,** 380
Leakey, R. *Book review by* Conroy, G C, **360,** 393
Leavitt, F J. Breaking the code, *Correspondence,* **359,** 768
The case for conservation, *Correspondence,* **360,** 100
Genuine genius, *Correspondence,* **360,** 505
Leberman, R. Protein crystallization cont.., *Scientific correspondence,* **357,** 545
Lebrun, F. *See under* Mirabel, I F., **358,** 215
Lecerf, L. *See under* Cambien, F., **359,** 641
Ledbetter, J A. *See under* Bustelo, X R., **356,** 68
Ledent, C. *See under* Parmentier, M., **355,** 453
Lee, D-C. *See under* Halliday, A N., **359,** 623
Lee, E Y-H P. Mice deficient for Rb are nonviable and show defects in neurogenesis and haematopoiesis, (*with* Chang, C-Y, Hu, N, Wang, Y-C J, Lai, C-C, Herrup, K, Lee, W-H, Bradley, A) *Article,* **359,** 288
Lee, M. *See under* Seubert, P., **359,** 325
Lee, R H. Protein model building using structural homology, *Product review,* **356,** 543
Lee, T D. *See under* Thornberry, N A., **356,** 768
See under Mintz, I M., **355,** 827
Lee, W-H. *See under* Goodrich, D W., **360,** 177
See under Goodrich, D W., **360,** 491
Lee, W-H. *See under* Lee, E Y-H P., **359,** 288

Leemans, J. *See under* Mariani, C., **357,** 384
Lees-Miller, J P. A vertebrate actin-related protein is a component of a multisubunit complex involved in microtubule-based vesicle motility, (*with* Helfman, D M, Schroer, T A) *Letter to Nature,* **359,** 244
Leevers, S J. *See under* de Vries-Smits, A M M., **357,** 602
Lefkowitz, R J. G proteins: The subunit story thickens, *News and views,* **358,** 372
See under Inglese, J., **359,** 147
Lefort, A. *See under* Parmentier, M., **355,** 453
LeGall, I. *See under* Chumakov, I., **359,** 380
Legator, M S. *See under* Paolini, M., **357,** 448
Legerski, R. Expression cloning of a human DNA repair gene involved in xeroderma pigmentosum group C, (*with* Peterson, C) *Letter to Nature,* **359,** 70
Corrections: Expression cloning of a human DNA repair gene involved in xeroderma pigmentosum group C, (*with* Peterson, C) *Letter to Nature,* **360,** 610
Leggett, A J. *Book review of* Low temperature physics: An introduction for scientists and engineers (*by* McClintock, P V E) **359,** 282
LeGuellec, K. *See under* Sawin, K E., **359,** 540
Lehman, N. *Book review of* Steps towards life: A perspective on evolution (*by* Eigen, M) **359,** 597
Lehman, S J. Sudden changes in North Atlantic circulation during the last deglaciation, (*with* Keigwin, L D) *Article,* **356,** 757
Lehmann, A R. *See under* Carr, A M., **359,** 486
Lehmann, J. *See under* Zhang, X-k., **358,** 587
Lehmann, P V. Spreading of T-cell autoimmunity to cryptic determinants of an autoantigen, (*with* Forsthuber, T, Miller, A, Sercarz, E E) *Letter to Nature,* **358,** 155
Lehmann, R. *See under* Ephrussi, A., **358,** 387
Lehmann, S J. Deep circulation revisited, (*with* Keigwin, L D) *Scientific correspondence,* **358,** 197
Lehrman, S. Genentech's stance on biodiversity riles staff, *News,* **358,** 97
Overregulation could damage US biotechnology, says report, *News,* **359,** 569
Mail-order notification would replace permits for US field tests, *News,* **359,** 663
US proposes relaxing rules on trials of biotech crops, *News,* **360,** 94
Lehto, H J. Three-dimensional motion in the radio jet of the binary system R Aquarii, (*with* Johnson, D R H) *Letter to Nature,* **355,** 705
Leibold, M A. Interactions between food-web structure and nutrients on pond organisms, (*with* Wilbur, H M) *Letter to Nature,* **360,** 341
Leigh, I M. *See under* Lane, E B., **356,** 244
Leiper, J. *See under* Pease, R., **356,** 115
Lejeune, F. *Journal review by* Ceresa, D A., **359,** 442
Lejeune, F J. *See under* Brouckaert, P G G., **358,** 630
Lelieveld, J. Indirect chemical effects of methane on climate warming: Correction, (*with* Crutzen, P J) *Letter to Nature,* **357,** 607
Indirect chemical effects of methane on climate warming, (*with* Crutzen, P J) *Letter to Nature,* **355,** 339
Lemaire, P. Activins: No muscles, but what a brain, *News and views,* **359,** 586
LeMeur, M. *See under* Lufkin, T., **359,** 835
Lempert, R J. *See under* Hammitt, J K., **357,** 315
Lennon, G G. *See under* Aslanidis, C., **355,** 548
Lenosky, T. Energetics of negatively curved graphitic carbon, (*with* Gonze, X, Teter, M, Elser, V) *Letter to Nature,* **355,** 333
Lenski, R E. *See under* Mittler, J E., **356,** 446
Leonowicz, M E. *See under* Kresge, C T., **359,** 710
Leptin, M. No effect of RDGS peptides, (*with* Grunewald, B, Stein, D) *Scientific correspondence,* **355,** 777
Lerner, I. S. *See under* Raner Jr, G H., **358,** 102
Lesage, S. *See under* Froguel, Ph., **356,** 162
See under Vionnet, N., **356,** 721
See under Froguel, Ph., **357,** 607
Lesk, A M. *Book review by* Petsko, G A., **359,** 596
Leslie, L. *See under* Bennett, A., **360,** 423
Leturcq, D. *See under* Duchosal, M A., **355,** 258
Letvin, N L. *See under* Watkins, D I., **357,** 329
Leuenberger, M. Carbon isotope composition of atmospheric CO. during the last ice age from an Antarctic ice core, (*with* Siegenthaler, U, Langway, C C) *Letter to Nature,* **357,** 488
Ice-age atmospheric concentration of nitrous oxide from an Antarctic ice core, (*with* Siegenthaler, U) *Letter to Nature,* **360,** 449
Leung, A K C. Page charges, (*with* Robson, W L M) *News,* **355,** 760
Leveille, C J. *See under* Ibraghimov-Beskrovnaya, O., **355,** 696
Leventhal, M. *See under* Harding, A K., **357,** 388
Levin, A A. 9-*Cis* retinoic acid stereoisomer binds and activates the nuclear receptor RXRα, (*with* Sturzenbecker, L J, Kazmer, S, Bosakowski, T, Huselton, C, Allenby, G, Speck, J, Kratzeisen, Cl, Rosenberger, M, Lovey, A, Grippo, J F) *Letter to Nature,* **355,** 359
Levine, C G. *See under* Watkins, D I., **357,** 329
Levine, J S. . *Book review by* Overpeck, J T. **356,** 670
See under Cahoon, D R Jr., **359,** 812
Levitan, I B. *Book review by* Hanley, M R. **359,** 686
Levitzki, A. *See under* Gross, E., **360,** 762
Levy II, H. *See under* Oltmans, S J., **358,** 392
Levy, S. *Book review by* Dawkins, R. **360,** 25
Lewin, R. *See under* Leakey, R., **360,** 393
Lewin, R A. Phycology: What the haptonema is for, *News and views,* **356,** 195
360, 119
Lewis, C. *See under* Oliver, S G., **357,** 38
Lewis, D A. *See under* Punch, M., **358,** 477
Lewis, J. *See under* Martin, P., **360,** 179
Lewis, M W. *Book review by* O'Riordan, T. **360,** 387
Lewis, R A. *See under* Attree, O., **358,** 239
Lewis, V A. T-complex polypeptide-1 is a subunit of heteromeric particle in the eukaryotic cytosol, (*with* Hynes, G M, Zheng, D, Saibil, H, Willison, K) *Letter to Nature,* **358,** 249
Lewis, W J. *Journal review by* Sunderland, K., **359,** 450
Lewis-Williams, J D. *See under* Tobias, P V., **358,** 185
Li, G. *See under* Yen, T J., **359,** 536
Li, H. Gamma-ray bursts from high-velocity neutron stars, (*with* Dermer, C D) *Letter to Nature,* **359,** 514
Li, J. *See under* Harada, A., **356,** 325
See under Finkelstein, A., **355,** 464
Li, J J. DNA replication: Eukaryotic initiation rites, (*with* Alberts, B M) *News and views,* **357,** 114
Li, N. *See under* Mohammadi, M., **358,** 681
Li, Q. *See under* Stephens, P W., **355,** 331
See under Stephens, P W., **355,** 331
Li, Q X. Epstein-Barr virus infection and replication in a human epithelial cell system, (*with* Young, L S, Niedobitek, G, Dawson, C W, Birkenbach, M, Wang, F, Rickinson, A B) *Letter to Nature,* **356,** 347
Li, W. *See under* Margolis, B., **356,** 71
See under Mohammadi, M., **358,** 681
See under Rozakis-Adcock, M., **360,** 689
DNA correlations, *Scientific correspondence,* **360,** 635
Li, W-H. Origin of rodents and guinea-pigs, (*with* Hide, W A, Graur, D) *Scientific correspondence,* **359,** 277
Li, Y. *See under* Paulmichl, M., **356,** 238
See under Wen, X., **355,** 426
Li, Y Q. Rising salaries: China drives forward, *News,* **356,** 469
See under Gwynne, P., **356,** 736
China relaxes rules for visiting citizens, *News,* **358,** 98
Chinese researchers promised more, *News,* **358,** 182
Chinese scientist arrested for entrepreneurial spirit, *News,* **359,** 763
Chinese researchers told to fend for themselves, *News,* **360,** 8
China in Brief, *News,* **360,** 201
China juggles economic growth and basic research, *News,* **359,** 177
Chinese science: Academy grows younger, *News,* **355,** 489
Li, Y-M. *See under* Hjertén, S., **356,** 810
Lianza, R E. *See under* Schultz, P H., **355,** 234
Liao, J-L. *See under* Hjertén, S., **356,** 810
Libert, F. *See under* Parmentier, M., **355,** 453
Libertin, C. Quality meetings, *Correspondence,* **355,** 196
Lichtenberg, D B. No improvement in running?, *Scientific correspondence,* **356,** 21
Lichter, J B. Echoes of D4 receptor repeats, (*with* Livak, K J, Rogers, J, Kennedy, J L, Van Tol, H H M) *Scientific correspondence,* **360,** 424
Lichtman, J W. *See under* Sanes, J R., **356,** 562
Lieberburg, I. *See under* Haass, C., **359,** 322
See under Seubert, P., **359,** 325
See under Citron, M., **360,** 672
Lifton, R P. A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, (*with* Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) *Letter to Nature,* **355,** 262
Lightman, A. . *Book review by* Silk, J. **355,** 407
Lignon, J. *See under* Ancel, A., **360,** 336
Lilley, D M J. DNA-protein interactions: HMG has DNA wrapped up, *News and views,* **357,** 282
See under Aboul-ela, F., **360,** 280
Lillie, S H. Suppression of a myosin defect by a kinesin-related gene, (*with* Brown, S S) *Letter to Nature,* **356,** 358
Lim, T T. Instability and reconnection in the head-on collision of two vortex rings, (*with* Nickels, T B) *Letter to Nature,* **357,** 225
Limjuco, G. *See under* Thornberry, N A., **356,** 768
Lin, C. Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth, (*with* Lin, S-C, Chang, C-P, Rosenfeld, M G) *Letter to Nature,* **360,** 765
Lin, C H. *See under* Forscher, P., **357,** 515
Lin, C L. *See under* Yildirim, T., **360,** 568
Lin, J. *See under* Nikolov, D B., **360,** 40
Lin, S-C. *See under* Lin, C., **360,** 765
Lin, Y C. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Linari, M. *See under* Lombardi, V., **355,** 638
Lincoln, T. Picture a specific translocation, *News and views,* **356,** 748
Chemical communications, *News and views,* **359,** 589
Lindahl, B I B. Estimating Popper's impact, (*with* Welljams-Dorof, A) *Correspondence,* **360,** 204
Lindahl, K F. *See under* Attaya, M., **355,** 647
Lindahl, T. *See under* Satoh, M S., **356,** 356
Linder, M E. *See under* Ktistakis, N T., **356,** 344
Lindh, A G. Natural selection, *Correspondence,* **358,** 272
Lindley, D. *See under* Anderson, C., **355,** 486
Radio days of a remnant supernova, *News and views,* **355,** 113
See under Anderson, C., **355,** 487
Graduate training: Kinder, gentler, more useful mathematics, *News,* **356,** 650
Not so Great Attractor?, *News and views,* **356,** 657
Solar observatory shaken by quake, *News,* **358,** 95
You've read the paper, now see the video, *News,* **358,** 97
Lab death blamed on gas build-up, *News,* **357,** 620
Large, oil-soaked endowment helps state universities weather current hard times, *Commentary,* **357,** 625
Out, out brief candle.., *Commentary,* **357,** 635
Messing around with gravity, *News and views,* **359,** 583
A distant candle, *News and views,* **360,** 413
Earth saved from disaster, *News and views,* **360,** 623
Lindoy, L F. Supramolecular chemistry: New synthetic receptors, *News and views,* **356,** 197
Buckminsterfullerene: C_{60} chemistry expands, *News and views,* **357,** 443
A new hydrocarbon cage, *News and views,* **359,** 778
Lindsey, C. Extreme-infrared brightness profile of the solar chromosphere obtained during the total eclipse of 1991, (*with* Jefferies, J T, Clark, T A, Harrison, R A, Carter, M K, Watt, G, Becklin, E E, Roellig, T L, Braun, D C, Naylor, D A, Tompkins, G J) *Letter to Nature,* **358,** 308
Lindsey, D T. *See under* Winderickx, J., **356,** 431
Lingappa, V R. *See under* Chuck, S L., **356,** 115
Lingenfelter, R E. Two-population model for the sources of γ-ray bursts, (*with* Higdon, J C) *Letter to Nature,* **356,** 132
Linhart, Y B. *See under* Grant, M C., **360,** 216
Link, B. Pulsar glitches as probes of neutron star interiors, (*with* Epstein, R I, Van Riper, K A) *Letter to Nature,* **359,** 616
Lion, T. *See under* Haas, O A., **359,** 414
Lipp, H-P. *See under* Bücler, H., **356,** 577
Lipton, P A. *See under* Dahl, J., **355,** 154
Lisberger, S G. Motor learning in a recurrent network model based on the vestibulo-ocular reflex, (*with* Sejnowski, T J) *Letter to Nature,* **360,** 159
Lisman, J E. *See under* Richard, E A., **356,** 336
See under Jaffe, D B., **357,** 244
Lister, J R. *See under* Buffett, B A., **356,** 329
Little, P. DNA sequencing: The worm turns and delivers, *News and views,* **356,** 14
Human genome project: Mapping the way ahead, *News and views,* **359,** 367
Journal review of Current opinion in genetics and development, (*Edited by* Laskey, R, Scott, M P) **359,** 440
Littlechild, J A. *Journal review of* Protein science: A publication of the protein society, (*Edited by* Neurath, H) **359,** 448
Littler, E. Human cytomegalovirus *UL97* open reading frame encodes a protein that phosphorylates the antiviral nucleoside analogue ganciclovir, (*with* Stuart, A, Chee, M S) *Letter to Nature,* **358,** 160
Littler, J. Talking telephone numbers, *Correspondence,* **359,** 665
Littlewood, T D. *See under* Amati, B., **359,** 423
Litwack, G. *Journal review by* Bourne, H R., **359,** 443
Liu, F. *See under* Kim, S-J., **358,** 331
Liu, H-S. Frequency variations of the Earth's obliquity and the 100-kyr ice-age cycles, *Letter to Nature,* **358,** 397
Liu, Q. *See under* Potter, E D., **355,** 66
Liu, S W-W. Anyons, *Correspondence,* **360,** 100
Liu, W T. *See under* Fu, R., **358,** 394
Liu, X. *See under* Watkins, D I., **357,** 329
Liu, X-Y. Rough-flat-rough transition of crystal surfaces, (*with* Bennema, P, van der Eerden, J P) *Letter to Nature,* **356,** 778
Livak, K J. *See under* Lichter, J B., **360,** 424
Livingston, W C. . *Book review by* Zirker, J B. **357,** 552
Ljungqvist, A. *See under* Ferguson-Smith, M A., **355,** 10
Llinas, R R. *See under* Bloom, F E., **358,** 184
Lloyd, H M. X-ray detection of Nova Herculis 1991 five days after optical outburst, (*with* O'Brien, T J, Bode, M F, Predehl, P, Schmitt, J H M M, Trümper, J, Watson, M G, Pounds, K A) *Letter to Nature,* **356,** 222
Lo, Y-M D. More on bear droppings, (*with* Waimcoat, J S) *Scientific correspondence,* **359,** 784
Lobb, R. *See under* Palabrica, T., **359,** 848
Lobeck, M A. Counting the numbers, *Correspondence,* **358,** 365
Lockner, D A. *See under* Blanpied, M L., **358,** 574
Locksley, R M. *See under* Amiri, P., **356,** 604
Lockwood, G W. Long-term solar brightness changes estimated from a survey of Sun-like stars, (*with* Skiff, B A, Baliunas, S L, Radick, R R) *Letter to Nature,* **360,** 653
Lockyer, C. Marine explosions, *Correspondence,* **358,** 271
Lofgren, G E. *See under* Sears, D W G., **357,** 207
Lohman, P H M. Choosing the limits to life, (*with* Sankaranarayanan, K, Ashby, J) *Commentary,* **357,** 185
Lohrenz, S E. *See under* Asper, V L., **357,** 670
Lohse, M J. *See under* Bauer, P H., **358,** 73
Lolait, S J. *See under* Morel, A., **356,** 523
Cloning and characterization of a vasopressin V2 receptor and possible link to nephrogenic diabetes insipidus, (*with* O'Carroll, A-M, McBride, O W, Konig, M, Morel, A, Brownstein, M J) *Letter to Nature,* **357,** 336
Loman, J. *See under* Madsen, T., **355,** 440
Lomas, D A. The mechanism of Z α$_1$-antitrypsin accumulation in the liver, (*with* Evans, D LI, Finch, J T, Carrell, R W) *Letter to Nature,* **357,** 605
Lombardi, V. *See under* Irving, M., **357,** 156
See under Irving, M., **357,** 704

Rapid regeneration of the actin-myosin power stroke in contracting muscle. (*with* Piazzesi, G. Linari, M) *Letter to Nature*, **355,** 638

Lombillo, V A. *See under* Nislow, C., **359,** 543

Lonergan, M. *See under* Rosenthal, W., **359,** 233

Long, E O. *See under* Malnati, M S., **357,** 702

Long, S R. *See under* Fisher, R F., **357,** 655

Longuet-Higgins, C. *Book review of* A history of the mind: evolution and the birth of consciousness (*by* Humphrey, N) **360,** 117

Book review of The strange, familiar and forgotten: An anatomy of consciousness (*by* Rosenfield, I) **360,** 117

Look, A T. *See under* Yeager, C L., **357,** 420

Looker, D. A human recombinant haemoglobin designed for use as a blood substitute. (*with* Abbott-Brown, D, Cozart, P, Durfee, S, Hoffman, S, Mathews, A J, Miller-Roehrich, J, Shoemaker, S, Trimble, S, Fermi, G, Komiyama, N H, Nagai, K, Stetler, G L) *Letter to Nature*, **356,** 258

Loper, D. Melt dynamics: Convection brought to a focus. *News and views*, **359,** 364

Lopez, R. Database contamination. (*with* Kristensen, T, Prydz, H) *Scientific correspondence*, **355,** 211

Lord, C I. *See under* Watkins, D I., **357,** 329

Lorimer, D. *See under* Josephson, B D., **358,** 618

See under Josephson, B D., **359,** 472

Lorimore, S A. *See under* Kadhim, M A., **355,** 738

Losick, R. Crisscross regulation of cell-type-specific gene expression during development in *B. subtilis*. (*with* Stragier, P) *Review article*, **355,** 601

Lotteau, V. *See under* Lafon, M., **358,** 507

Louie, G V. Structure of porphobilinogen deaminase reveals a flexible multidomain polymerase with a single catalytic site. (*with* Brownlie, P D, Lambert, R, Cooper, J B, Blundell, T L, Wood, S P, Warren, M J, Woodcock, S C, Jordan, P M) *Article*, **359,** 33

Love, D R. *See under* Tinsley, J M., **360,** 591

Lovell, B. . *Book review by* Jones, R V. **355,** 307

Lovell-Badge, R. *See under* Foster, J W., **359,** 531

Lovelock, J. *Journal review of* Science probe! The amateur scientist's journal. (*Edited by* Mims, F M III) **359,** 436

Lovey, A. *See under* Levin, A A., **355,** 359

Lowe, D C. *See under* Brenninkmeijer, C A M., **356,** 50

Lowe, K C. Alternative blood substitutes. (*with* Washington, C) *Scientific correspondence*, **358,** 717

Lowndes, N F. *SW16* protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast. (*with* Johnson, A L, Breeden, L, Johnston, L H) *Letter to Nature*, **357,** 505

Control of DNA synthesis genes in fission yeast by the cell-cycle gene *cdc10*. (*with* McInerny, C J, Johnson, A L, Fantes, P A, Johnston, L H) *Letter to Nature*, **355,** 449

Lozoraitis, S. Lithuania's need. *Correspondence*, **357,** 433

Lu, C. *See under* Langer, T., **356,** 683

Lu, H. Human general transcription factor IIH phosphorylates the C-terminal domain of RNA polymerase II. (*with* Zawel, L, Fisher, L, Egly, J-M, Reinberg, D) *Article*, **358,** 641

Lu, X. *See under* Arnold, E., **357,** 85

Lubin, J. *See under* Ron, E., **360,** 113

Luc, G. *See under* Cambien, F., **359,** 641

Lucchini, G. *See under* Oliver, S G., **357,** 38

Lückhoff, A. Inositol 1, 3, 5-tetrakisphosphate activates an endothelial CaS.-permeable channel. (*with* Clapham, D E) *Letter to Nature*, **355,** 356

Lufkin, T. Homeotic transformation of the occipital bones of the skull by ectopic expression of a homeobox gene. (*with* Mark, M, Hart, C P, Dollé, P, LeMeur, M, Chambon, P) *Letter to Nature*, **359,** 835

Luirink, J. Signal-sequence recognition by an *Escherichia coli* ribonucleoprotein complex. (*with* High, S, Wood, H, Giner, A, Tollervey, D, Dobberstein, B) *Letter to Nature*, **359,** 741

Luisi, B. DNA transcription: Zinc standard for economy. *News and views*, **356,** 379

Luisi, P L. *See under* Bachmann, P A., **357,** 57

Lumsden, A. *See under* Guthrie, S., **356,** 157

See under Marshall, H., **360,** 737

Lund, G. Interest in CNR. *Correspondence*, **357,** 355

Lundquist, S. *See under* Malone, R E., **359,** 154

Luoma, S N. *See under* van Geen, A., **358,** 54

Luria, M. *See under* Sievering, H., **360,** 571

Lüthi, R. *See under* Overney, R M., **359,** 133

Lüthy, R. Assessment of protein models with three-dimensional profiles. (*with* Bowie, J U, Eisenberg, D) *Letter to Nature*, **356,** 83

Lutzenkirchen, K. *See under* Oliver, S G., **357,** 38

Luz, R. *See under* Belich, M P., **357,** 326

Lyle, M. Climatology: Molecules record sea change. *News and views*, **356,** 385

Lyle, M W. Upwelling and productivity changes inferred from a temperature record in the central equatorial Pacific. (*with* Prahl, F G, Sparrow, M A) *Letter to Nature*, **355,** 812

Lyne, A G. Spin-up and recovery in the 1989 glitch of the Crab pulsar. (*with* Smith, F G, Pritchard, R S) *Letter to Nature*, **359,** 706

See under Thompson, D J., **359,** 615

No planet orbiting PSR1829-10. (*with* Bailes, M) *Scientific correspondence*, **355,** 213

Lynn, M. *Book review by* Medawar, C, **357,** 651

Lynn, R. Brain size differences. *Correspondence*, **359,** 181

Maat, M J. *See under* Oliver, S G., **357,** 38

Mabin, M C G. *See under* Colhoun, E A., **358,** 316

MacAyeal, D R. Irregular oscillations of the West Antarctic ice sheet. *Article*, **359,** 29

Macchetto, F. *See under* Sparks, W B., **355,** 804

MacCross, M. *See under* Thornberry, N A., **356,** 768

MacDonald, C C. *See under* Niwa, M., **360,** 277

Macdonald, D A. *See under* Kadhim, M A., **355,** 738

Macdonald, D W. Cause of wild dog deaths. *Scientific correspondence*, **360,** 633

Macdougall, J D. *See under* Deng, F-L., **360,** 333

Macduff, B M. *See under* Armitage, R J., **357,** 80

Macek, M B. *See under* Miller, D J., **357,** 589

Macer, D. Public opinion of gene patents. *Correspondence*, **358,** 272

The 'far east' of biological ethics. *Commentary*, **359,** 770

Mackay, A L. Crystallography: Copernican revolution declared. *News and views*, **356,** 566

MacLaren, D M. *See under* Otto, B R., **358,** 23

MacLeod, K G. *See under* Ward, P D., **358,** 378

MacLeod, R A F. DNA fingerprints of cell lines. *Scientific correspondence*, **359,** 681

MacNicol, D D. *See under* Dong, W., **355,** 605

MacPherson, S. Growth in jobs with a green tinge. *Miscellany*, **358,** 437

MacQueen, R M. *See under* Hodapp, K-W., **355,** 707

Maddox, J. What promises are there for 1992?. *News and views*, **355,** 15

The anthropic view of nucleosynthesis. *News and views*, **355,** 107

Unrequited search for heavy neutrino. *News and views*, **355,** 673

Russian science faces economic crisis. *News and views*, **355,** 391

Indian palaeontology: Back from the dead. *News*, **355,** 578

Japanese industrial research. *News and views*, **355,** 493

Is molecular biology yet a science?. *News and views*, **355,** 201

Russian science: New broom sweeps cleaner. *News*, **355,** 383

National Academy/Royal Society: Warning on population growth. *News*, **355,** 759

Melodrama in research publication. *News and views*, **355,** 767

New dimensions for Mendeleev. *News and views*, **356,** 13

Welsh education: Small uncertainties. *News*, **356,** 99

Frontier research: Strasbourg project grows. *News*, **356,** 277

The endless search for primality. *News and views*, **356,** 283

Electronic journals have a future. *News and views*, **356,** 559

Ever-longer sequences in prospect. *News and views*, **357,** 13

Rage and confusion hide role of HIV. *News and views*, **357,** 188

Long-range correlations within DNA. *News and views*, **358,** 103

Media makes AIDS wishes come true. *News and views*, **358,** 13

How to publish the unpalatable?. *News and views*, **358,** 187

Hoyle statue unveiled. *News*, **358,** 269

British report real decline in spending on research. *News*, **358,** 359

Humbling of world's AIDS researchers. *News and views*, **358,** 367

Is charge quantization exact?. *News and views*, **358,** 449

Why pebbles float to the surface. *News and views*, **358,** 535

The model for almost all seasons?. *News and views*, **359,** 669

Surmounting fluctuating barriers. *News and views*, **359,** 771

More on Gallo and Popovic. *News and views*, **357,** 107

Russian summer hopes dwarf doubts. *News and views*, **357,** 357

Energy levels by path integration. *News and views*, **358,** 707

Last chance for British Ass?. *News and views*, **359,** 11

Towards real-time molecular demolition?. *News and views*, **360,** 103

Conflicts of interest declared. *News and views*, **360,** 205

Time for tempting the Nobel fates. *News and views*, **359,** 101

Who needs a new magnetometer?. *News and views*, **359,** 191

The search for dark matter (contd) . *News and views*, **359,** 267

Forest fires, sandpiles and the like. *News and views*, **359,** 359

Language for a polyglot readership. *News and views*, **359,** 475

Reforming Japan's science for the next century. (*with* Swinbanks, D) *News*, **359,** 573

Heading into an uncertain future. (*with* Dickson, D) *News*, **360,** 509

Maden, M. *See under* Krauss, S., **360,** 87

See under Holder, N., **360,** 708

Madison, D V. Long-term potentiation: Knocking out memory's door. *News and views*, **358,** 626

Madrigal, J A. *See under* Belich, M P., **357,** 326

Madsen, T. Why do female adders copulate so frequently?. (*with* Shine, R, Loman, J, Håkansson, T) *Letter to Nature*, **355,** 440

Maeda, Y. *See under* Takenaka, N., **358,** 736

Maeder, A. *See under* Blecha, A., **360,** 320

Magalhaes de Souza, C M. *See under* Nriagu, J O., **356,** 389

Magarshak, Y. A three-dimensional periodic table. (*with* Malinsky, J) *Scientific correspondence*, **360,** 114

Mahadevan, L C. *See under* Cano, E., **360,** 116

Mahadevan, M. *See under* Aslanidis, C., **355,** 548

Mahapatra, P. *See under* Mohanty-Hejmadi, P., **355,** 352

Mahboubi, A. *See under* Bissonnette, R P., **359,** 552

Mahboubi, M. *See under* Godinot, M., **357,** 324

Mahlman, J D. Global change: A looming Arctic ozone hole?. *News and views*, **360,** 209

Main, I. Earthquake scaling. *Scientific correspondence*, **357,** 27

Main, I G. *See under* Sammonds, P R., **359,** 228

Maisey, J G. . *Book review by* Davis, P G. **355,** 218

Maitland, P. Locomotion by jumping in the Mediterranean fruit fly larva *Ceratitis capitata*. *Letter to Nature*, **355,** 159

Majerus, M E N. *See under* Hurst, G D D., **356,** 659

Mak, T W. *See under* Molina, T J., **357,** 161

Makeyeva, L I. Shear-wave splitting and small-scale convection in the continental upper mantle. (*with* Vinnik, L P, Roecker, S W) *Letter to Nature*, **358,** 144

Makhov, A M. *See under* Fujimura, T., **359,** 746

Maki, H. MutT protein specifically hydrolyses a potent mutagenic substrate for DNA synthesis. (*with* Sekiguchi, M) *Letter to Nature*, **355,** 273

Makino, Y. *See under* Okada, K., **355,** 120

Makoff, A J. Echoes of D4 receptor repeats. *Scientific correspondence*, **360,** 424

Malan, G. **358,** 200

Book review of Techniques and instrumentation in analytical chemistry 11: Biosensors (*by* Scheller, F) **358,** 200 **358,** 200

Malanoe, P. *See under* Boman, A L., **358,** 512

Malbon, C C. *See under* Wang, H-y., **358,** 334

Male, D. *Book review by* Scott, D W. **358,** 632

Malgaroli, A. Glutamate-induced long-term potentiation of the frequency of miniature synaptic currents in cultured hippocampal neurons. (*with* Tsien, R W) *Article*, **357,** 134

Malheiros, J V. Industry slows research gains in Portugal. *News*, **358,** 359

Malhotra, R. Resonant orbital evolution in the putative planetary system of PSR1257+12. (*with* Black, D, Eck, A, Jackson, A) *Letter to Nature*, **356,** 583

Malicki, J. A human *HOX4B* regulatory element provides head-specific expression in *Drosophila* embryos. (*with* Cianetti, L C, Peschle, C, McGinnis, W) *Letter to Nature*, **358,** 345

Malinski, T. Nitric oxide release from a single cell measured *in situ* by a porphyrinic-based microsensor. (*with* Taha, Z) *Letter to Nature*, **358,** 676

Malinsky, J. *See under* Magarshak, Y., **360,** 114

Maliszewski, C R. *See under* Armitage, R J., **357,** 80

Mallabiabarrena, A. An endoplasmic reticulum retention signal in the CD3 chain of the T-cell receptor. (*with* Fresno, M, Alarcón, B) *Letter to Nature*, **357,** 593

Mallet, L. *See under* Oliver, S G., **357,** 38

Malm, O. *See under* Nriagu, J O., **356,** 389

Malnati, M S. Processing pathways for presentation of cytosolic antigen to MHC class II-restricted T cells. (*with* Marti, M, LaVaute, T, Jaraquemada, D, Biddison, W, DeMars, R, Long, E O) *Letter to Nature*, **357,** 702

Malone, R E. A meiotic gene conversion gradient opposite to the direction of transcription. (*with* Bullard, S, Lundquist, S, Kim, S, Tarkowski, T) *Letter to Nature*, **359,** 154

Maxdani, E H. *Book review of* Fuzzy Systems Theory and its Applications (*by* Terano, T) **359,** 788

Manabe, T. Postsynaptic contribution to long-term potentiation revealed by the analysis of miniature synaptic currents. (*with* Renner, P, Nicoll, R A) *Article*, **355,** 50

Manchester, R N. Archaeoastronomy: Dating supernova remnants. *News and views*, **356,** 660

See under Thompson, D J., **359,** 615

See under Staveley-Smith, L., **355,** 147

Mandel, M A. Molecular characterization of the *Arabidopsis* floral homeotic gene *APETALA1*. (*with* Gustafson-Brown, C, Savidge, B, Yanofsky, M F) *Letter to Nature*, **360,** 273

Manfield, I. *See under* He, Y-Y., **359,** 431

Mangelsdorf, D J. *See under* Kliewer, S A., **355,** 446

Maniatis, T. *See under* Bruzik, J P., **360,** 692

Manitius, L G. Counting the numbers. *Correspondence*, **358,** 365

Manly, P L. *Book review by* Hanbury Brown, R. **356,** 205

Mann, C C. *Book review by* Medawar, C. **357,** 651

Mann, J. Natural products: Sponges to wipe away pain. *News and views*, **358,** 540

Mann, K H. *Book review by* **358,** 30

Mann, S. *See under* Young, J R., **356,** 516

Biomineralization: Bacteria and the Midas touch. *News and views*, **357,** 358

Mannhaupt, G. *See under* Oliver, S G., **357,** 38

Manning, C J. *See under* Potts, W K., **356,** 294

Communal nesting patterns in mice implicate MHC genes in kin recognition. (*with* Wakeland, E K, Potts, W K) *Letter to Nature*, **360,** 581

Manning, M R. *See under* Brenninkmeijer, C A M., **356,** 50

Mannion, A M. *Book review of* Late Quaternary Environmental Change: Physical and Human Perspectives (*by* Bell, M) **359,** 787

Journal review of The holocene: An interdisciplinary journal focusing on recent environmental change. (*Edited by* Matthews, J A) **359,** 461

Manolopoulos, D E. *See under* Fowler, P W., **355,** 428

Manzoli, L. *See under* Martelli, A M., **358,** 242

Mao, H K. *See under* Vos, W L., **358,** 46

Maran, S P. . *Book review by* Tayler, R J. **356,** 395

Marbà, N. *See under* Duarte, C M., **356,** 190

Marche, P N. *See under* Han, R., **356,** 66

Marchesi, E. *See under* Paoletti, P., **355,** 290

Marcus, S L. *See under* Dickey, J O., **357,** 484

Mares, M A. Authors and egos. *Correspondence*, **356,** 471

Mareschal, M. Grain-boundary graphite in Kapuskasing

gneisses and implications for lower-crustal conductivity, (*with* Fyfe, W S, Percival, J, Chan, T) *Letter to Nature*, **357,** 674

Margolis, B. Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, (*with* Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) *Letter to Nature*, **356,** 71

Margolskee, R F. *See under* McLaughlin, S K., **357,** 563

Margulis, L. *See under* Tenne, R., **360,** 444

Mariani, C. A chimaeric ribonuclease-inhibitor gene restores fertility to male sterile plants, (*with* Gossele, V, De Beuckeleer, M, De Block, M, Goldberg, R B, De Greef, W, Leemans, J) *Article*, **357,** 384

Marie, J. *See under* Peters, K G., **358,** 678

Marino, B D. Glacial-to-interglacial variations in the carbon isotopic composition of atmospheric CO_2, (*with* McElroy, M B, Salawitch, R J, Spaulding, W G) *Article*, **357,** 461

Mark, M. *See under* Lufkin, T., **359,** 835

Marmorstein, R. DNA recognition by GAL4: structure of a protein-DNA complex, (*with* Carey, M, Ptashne, M, Harrison, S C) *Article*, **356,** 408
See under Baleja, J D., **356,** 450

Marrack, P C. *See under* Hugo, P., **360,** 679

Marrs, C F. *See under* Gilsdorf, J R., **359,** 99

Marsden, C D. *See under* Bloom, F E., **358,** 184

Marsden, K E. *See under* Oring, L W., **359,** 631

Marsden, S J. *See under* Kadhim, M A., **355,** 738

Marsh, A C. *See under* Wehner, R., **357,** 586

Marsh, K. *See under* Roberts, D J., **357,** 689

Marsh, R L. Mechanical performance of scallop adductor muscle during swimming, (*with* Olson, J M, Guzik, S K) *Letter to Nature*, **357,** 411

Marshak, S. Proterozoic crustal extension and the generation of dome-and-keel structure in an Archaean granite-greenstone terrane, (*with* Alkmim, F F, Jordt-Evangelista, H) *Letter to Nature*, **357,** 491

Marshall Graves, J A. *See under* Mitchell, M J., **359,** 528
See under Foster, J W., **359,** 531

Marshall, A. Population crisis, *Correspondence*, **355,** 291

Marshall, C J. *See under* de Vries-Smits, A M M., **357,** 602

Marshall, H. *See under* Guthrie, S., **356,** 157
Retinoic acid alters hindbrain *Hox* code and induces transformation of rhombomeres 2/3 into a 4/5 identity, (*with* Nonchev, S, Sham, M H, Muchamore, I, Lumsden, A, Krumlauf, R) *Letter to Nature*, **360,** 737

Marshall, I N. Thinking physics, *Correspondence*, **360,** 9

Marshall, J. *See under* Denning, G M., **358,** 761

Marshall, J C. *Book review of* Pride and a daily marathon (*by* Cole, J) **356,** 636
See under Gurd, J M., **359,** 590

Marsters, S A. *See under* Oksenberg, D., **360,** 161

Martegani, E. *See under* Oliver, S G., **357,** 38

Martelli, A M. Nuclear localization and signalling activity of phosphoinositidase C_β in Swiss 3T3 cells, (*with* Gilmour, R S, Bertagnolo, V, Neri, L M, Manzoli, L, Cocco, L) *Letter to Nature*, **358,** 242

Marten, P T. *See under* Vessal, B., **356,** 504

Marti, M. *See under* Malnati, M S., **357,** 702

Martin, A P. Rates of mitochondrial DNA evolution in sharks are slow compared with mammals, (*with* Naylor, G J P, Palumbi, S R) *Letter to Nature*, **357,** 153

Martin, B M. *See under* Tybulewicz, V L J., **357,** 407

Martin, B R. The position of British science, (*with* Irvine, J) *News*, **355,** 760

Martin, E L. High lithium abundance in the secondary, (*with* Rebolo, R, Casares, J, Charles, P A) *Letter to Nature*, **358,** 129

Martin, J H. Dissolved organic carbon in the Atlantic, Southern and Pacific oceans, (*with* Fitzwater, S E) *Letter to Nature*, **356,** 699

Martin, J W. *See under* Van Dover, C L., **358,** 25

Martin, M B. *See under* Sabatier, L., **357,** 548

Martin, P. Actin cables and epidermal movement in embryonic wound healing, (*with* Lewis, J) *Letter to Nature*, **360,** 179

Martin, R C. *See under* Steele, L P., **358,** 313

Martin, R P. *See under* Schwob, E., **355,** 179

Martinez, C. *Fusarium solani* cutinase is a lipolytic enzyme with a catalytic serine accessible to solvent, (*with* De Geus, P, Lauwereys, M, Matthyssens, G, Cambillau, C) *Letter to Nature*, **356,** 615

Martinez, C K. *See under* Attaya, M., **355,** 647

Martinez, G V. *See under* Miick, S M., **359,** 653

Martinez-Arends, A. *See under* Lafon, M., **358,** 507

Martini, L. *Journal review by* Swanson, L W., **359,** 446

Marwan, W. **357,** 654

Marin, L E. *See under* Sharpton, V L., **359,** 819

Masaki, H. *See under* Kutsuwada, T., **358,** 36
See under Mori, H., **358,** 673

Masarie, K A. *See under* Steele, L P., **358,** 313

Mason, D Y. *See under* Fawcett, J., **360,** 481

Massey, W E. NSF stance on 'skills shortage', *Correspondence*, **357,** 433

Massing, J M. **355,** 507

Masters, T G. *See under* Shearer, P M., **355,** 791

Mastichiadis, A. *See under* Kirk, J G., **360,** 135

Masullo, C. *See under* Xi, Y G., **356,** 598

Mateles, R I. Patent error, *News*, **355,** 760

Mather, B. Dam facts, *Correspondence*, **358,** 618

Mathews, A J. *See under* Looker, D., **356,** 258

Mathews, G J. Nucleosynthesis: Flashing giants forge fluorine, *News and views*, **359,** 18
Asymptotic-giant-branch stars, *News and views*, **359,** 18

Mathews, J T. , *Book review by* Rosenzweig, C. **355,** 781

Mathieu, A. *See under* Oliver, S G., **357,** 38

Mathis, J S. *See under* Van Winckel, H., **356,** 500

Matsuda, T. *See under* Harada, K., **360,** 51

Matsufuji, S. *See under* Murakami, Y., **360,** 597

Matsumoto, K. *See under* Shibuya, H., **357,** 700

Matsumura, K. Deficiency of the 50K dystrophin-associated glycoprotein in severe childhood autosomal recessive muscular dystrophy, (*with* Tomé, F M S, Collin, H, Azibi, K, Chaouch, M, Kaplan, J-C, Fardeau, M, Campbell, K P) *Letter to Nature*, **359,** 320
Association of dystrophin-related protein with dystrophin-associated proteins in *mdx* mouse muscle, (*with* Ervasti, J M, Ohlendieck, K, Kahl, S D, Campbell, K P) *Letter to Nature*, **360,** 588

Matsuo, E S. Patterns in shrinking gels, (*with* Tanaka, T) *Letter to Nature*, **358,** 482

Matsushita, S. *See under* Emini, E A., **355,** 728

Matthews, B W. *See under* Eriksson, A E., **355,** 371

Matthews, J A. *Journal review by* Mannion, A M., **359,** 461

Matthews, M S. , *Book review by* Zirker, J B. **357,** 552

Matthyssens, G. *See under* Martinez, C., **356,** 615

Mattoo, B M. Insecticide death, *Correspondence*, **356,** 374

Mattox, J R. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615

Matzuk, M M. α-Inhibin is a tumour-suppressor gene with gonadal specificity in mice, (*with* Finegold, M J, Su, J-G J, Hsueh, A J W, Bradley, A) *Article*, **360,** 313

Maunsell, J H R. *See under* Ferrera, V P., **358,** 756

Maurer, C T C. *See under* Oliver, S G., **357,** 38

Maurice, P. *See under* Valladas, H., **357,** 68

Maury, R C. Metasomatism of the sub-arc mantle inferred from trace elements in Philippine xenoliths, (*with* Defant, M J, Joron, J-L) *Letter to Nature*, **360,** 661

Max, N. Geometry: Another harmony of the spheres, *News and views*, **355,** 115

Maxson, L R. *See under* Hedges, S B., **356,** 708
More than survivors, *Correspondence*, **356,** 652

May, R M. *See under* Gaston, K J., **356,** 281
Density-dependent populations (reply) , *Scientific correspondence*, **356,** 391
Biodiversity: Bottoms up for the oceans, *News and views*, **357,** 278
Book review of Chance and chaos (*by* Ruelle, D) **358,** 293
Book review of Searching for certainty: What science can know about the future (*by* Casti, J L) **358,** 293
See under Anderson, R M., **358,** 29
See under Nowak, M A., **359,** 826
See under Sugihara, G., **355,** 26

Mayer, B J. *See under* Waksman, G., **358,** 646

Mayer-Hasselwander, H A. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615

Maynard Smith, J. Clonal histories: Age and the unisexual lineage, *News and views*, **356,** 661
Evolutionary biology: Byte-sized evolution, *News and views*, **355,** 772

Mazaud, A. *See under* Laj, C., **359,** 111

Mazer, J J. Alteration of tektite to form weathering products, (*with* Bates, J K, Bradley, J P, Bradley, C R, Stevenson, C M) *Letter to Nature*, **357,** 573

Mazumdar, P M H. *Book review by* Bynum, W F. **356,** 641

Mazzali, P A. *See under* Wang, L., **355,** 58

Mazzeo, J R. *See under* Krull, I S., **357,** 92

Mbamalu, G. *See under* Rozakis-Adcock, M., **360,** 689

McAdam, S N. *See under* Watkins, D I., **357,** 329

McAleer, N. *Book review by* Regis, E. **360,** 373

McAndrew, M B. *See under* Hyde, J E., **360,** 541

McArthur, J G. *See under* Harding, F A., **356,** 607

McArthur, J M. Strontium isotopes at K/T boundary, (*with* Burnett, J, Hancock, J M) *Scientific correspondence*, **355,** 28

McArthur, M J. *See under* Donehower, L A., **356,** 215

McBirney, A R. *See under* Christie, D M., **355,** 246

McBride, O W. *See under* Lolait, S J., **357,** 336

McCaffrey, M A. *See under* Dahl, J., **355,** 154

McCaffrey, P G. *See under* Jain, J., **356,** 801

McCallum, A D. Coping with toxic pulses, *Correspondence*, **360,** 9

McCallum, K. *See under* Fuhrman, J A., **356,** 148

McCarron, J G. Calcium-dependent enhancement of calcium current in smooth muscle by calmodulin-dependent protein kinase II, (*with* McGeown, J G, Reardon, S, Ikebe, M, Fay, F S, Walsh, J V) *Letter to Nature*, **357,** 74

McCarter, L. *See under* Atsumi, T., **355,** 182

McCauley, J P. *See under* Rotter, L D., **355,** 532

McClintock, P V E. Superfluidity: Slowly unwinding in ^{3}He, *News and views*, **356,** 749
Book review by Leggett, A J. **359,** 282

McConahey, P J. *See under* Duchosal, M A., **355,** 258

McConlogue, L. *See under* Citron, M., **360,** 672

McConnaughey, T A. *See under* Striegl, R G., **357,** 145

McConnell, D. *See under* Oliver, S G., **357,** 38

McConnell, J C. Photochemical bromine production implicated in Arctic boundary-layer ozone, (*with* Henderson, G S, Barrie, L, Bottenheim, J, Niki, H, Langford, C H, Templeton, E M J) *Letter to Nature*, **355,** 150

McCormack, R. *See under* Seubert, P., **359,** 325

McCormick, F. *See under* Bollag, G., **356,** 663
, *Book review by* Cairns, J. **357,** 452

McCracken, M K. *See under* Norby, R J., **357,** 322

McDonald, B. *See under* Landsberg, J P., **360,** 65

McElroy, M B. *See under* Marino, B D., **357,** 461

McEntee, K. Molecular biology: recA: from locus to lattice, *News and views*, **355,** 302

McFadden, P. Geomagnetism: Reversal ideas up-ended, *News and views*, **356,** 381

McGeown, J G. *See under* McCarron, J G., **357,** 74

McGhie, A R. *See under* Zhu, Q., **355,** 712

McGinnis, W. *See under* Malicki, J., **358,** 345

McGlade, J. *See under* Rozakis-Adcock, M., **360,** 689

McGlynn, T A. Meteorites: Stardust and planet dust, *News and views*, **355,** 20

McGovern, P E. *See under* Michel, R H., **360,** 24

McInerny, C J. *See under* Lowndes, N F., **355,** 449

McInnes, G. *See under* Johnson, C., **355,** 69

McInnes, R R. *See under* Attree, O., **358,** 239

McIntosh, J R. *See under* Nislow, C., **359,** 543

McIntosh, P S. A 600-day periodicity in solar coronal holes, (*with* Thompson, R J, Willock, E C) *Letter to Nature*, **360,** 322

McIntosh, W C. *See under* Barrett, P J., **359,** 816

McKee, R A. *See under* Oliver, S G., **357,** 38

McKenna, T. *Book review by* Huxtable, R J. **356,** 635

McKenzie, D R. The structure of the C_{60} molecule, (*with* Davis, C A, Cockayne, D J H, Muller, D A, Vassallo, A M) *Letter to Nature*, **355,** 622

McKenzie, R L. *See under* Seckmeyer, G., **359,** 135

McKerrow, J H. *See under* Amiri, P., **356,** 604

McKinnon, P J. *See under* McLaughlin, S K., **357,** 563

McKinnon, R. *See under* Ebbesmeyer, C C., **360,** 405

McKinnon, W B. Planetary geology: Killer acid at the K/T boundary, *News and views*, **357,** 15

McLaren, A. Embryology: The quest for immortality, *News and views*, **359,** 482

McLaren, A S. Variability in sea-ice thickness over the North Pole from 1977 to 1990, (*with* Walsh, J E, Bourke, R H, Weaver, R L, Wittmann, W) *Letter to Nature*, **358,** 224

McLaughlin, S K. Gustducin is a taste-cell-specific G protein closely related to the transducins, (*with* McKinnon, P J, Margolskee, R F) *Article*, **357,** 563

McLean, A. *See under* Michie, C A., **360,** 264

McLennan, J. *See under* Potter, M., **358,** 548

McLimans, R K. *See under* Brannon, J C., **356,** 509

McMacken, R. *See under* Landry, S J., **355,** 455

McMahon, T A. *Book review of* Newton rules biology: A physical approach to biological problems (*by* Pennycuick, C) **358,** 294

McManus, J. *See under* Bond, G., **360,** 245

McMichael, A J. *See under* Hill, A V S., **360,** 434
See under Hill, A V S., **355,** 403

McNally, T. *See under* He, Y-Y., **359,** 431

McNamara, L. *See under* Joshi, H C., **356,** 80

McNaughton, S J. *See under* Oesterheld, M., **356,** 234

McNeill Alexander, R. Physiology: The work that muscles can do, *News and views*, **357,** 360

McNeill, W H. **355,** 599

McPherson, A. *See under* Harris, L J., **360,** 369

McPherson, M A. CFTR mechanism, (*with* Dormer, R L) *Scientific correspondence*, **356,** 113

McRae, G J. *See under* Lave, L B., **355,** 197

McWeeney, L J. *See under* Hickey, L J., **356,** 295

Meadows, V. *See under* Allen, D., **359,** 516

Meagher, J F. *See under* Simonaitis, R., **355,** 402

Meawar, C. *Book review of* Merck v. Glaxo: The billion-dollar battle (*by* Lynn, M) **357,** 651
Book review of The aspirin wars: Money, medicine and 100 years of rampant competition (*by* Mann, C C) **357,** 651

Mee, L D. *See under* Readman, J W., **358,** 662

Meegan, C A. *See under* Bhat, P N., **359,** 217
Spatial distribution of gamma-ray bursts observed by BATSE, (*with* Fishman, G J, Wilson, R B, Paciesas, W S, Pendleton, G N, Horack, J M, Brock, M N, Kouveliotou, C) *Letter to Nature*, **355,** 143

Meguro, H. Functional characterization of a heteromeric NMDA receptor channel expressed from cloned cDNAs, (*with* Mori, H, Araki, K, Kushiya, E, Kutsuwada, T, Yamazaki, M, Kumanishi, T, Arakawa, M, Sakimura, K, Mishina, M) *Letter to Nature*, **357,** 70

Meguro, K. *See under* Kutsuwada, T., **358,** 36

Mein, P. *See under* Conroy, G C., **356,** 144

Meisel, A. Type III restriction enzymes need two inversely oriented recognition sites for DNA cleavage, (*with* Bickle, T A, Krüger, D H, Schroeder, C) *Letter to Nature*, **355,** 467

Mellema, G. *See under* Icke, V., **355,** 524

Mellini, M L. *See under* Yew, N., **355,** 649

Mellon, A. *See under* Haass, C., **357,** 500
See under Haass, C., **359,** 322

Mellor, R B. Reduction of nitrate and nitrite in water immobilized enzymes, (*with* Ronnenberg, J, Campbell, W H, Diekmann, S) *Letter to Nature*, **355,** 717

Melhström, B. *See under* Foulkes, N S., **355,** 80

Melosh, H J. Planetary science: Airblast scars on Venus, *News and views*, **358,** 622
Journal review of Journal of geophysical research - planets, (*Edited by* Chapman, C R) **359,** 459

Melot, T. *See under* Delattre, O., **359,** 162

Melrose, D. *See under* Ball, L., **359,** 23

Melton, D A. *See under* Whitman, M., **357,** 252
See under Hemmati-Brivanlou, A., **359,** 609

Meltzer, P S. *See under* Oliner, J D., **358,** 80
Membrado, M. *See under* Battaner, E., **360,** 652
Menger, F M. Struggles to correct published errors. (*with* Haim, A) *Commentary,* **359,** 666
Merbs, S L. Absorption spectra of human cone pigments. (*with* Nathans, J) *Letter to Nature,* **356,** 433
Meredith, D. *See under* McClintock, P V E., **359,** 282
Meredith, P G. *See under* Sammonds, P R., **359,** 228
Mermin, N D. *Book review of* Icons and symmetries (*by* Altmann, S L.) **357,** 453
Mervis, J. Technology transfer: Pentagon keeps its fruits to itself. *News,* **356,** 4
US magnetic fusion: The best machine for the money. *News,* **356,** 96
Instant initiative. *News,* **356,** 98
No SSC for India. *News,* **356,** 98
Russian scientists: Small, quick grants proposed as lifeline. *News,* **356,** 182
Russian scientists: "Our motivation is to do good science". *News,* **356,** 182
Russian science centre: Profit motive faces stiff challenge. *News,* **356,** 276
Russian science centre: Politicians to call funding shots at the centre. *News,* **356,** 276
Taking Russia's pulse. *News,* **356,** 279
Human resources: NSF falls short on shortage. *News,* **356,** 553
Research priorities: Healy attacks US budgeting system. *News,* **356,** 555
NIH forms policy centre to study research ethics. *News,* **356,** 367
From blue-chip to white coat. *News,* **356,** 367
US/Russia collaboration: Russians want business, not charity. *News,* **356,** 370
US research politics: Goodwin stumbles. *News,* **356,** 6
The former Soviet Union: The West gropes for ways to help. *News,* **356,** 733
US astronomers compute an answer. *News,* **356,** 733
Foreign contributors hold fate of two SSC detectors. *News,* **357,** 102
SSC says it holds the edge. *News,* **357,** 429
Gemini telescope project shifts into high gear. *News,* **357,** 430
See under Pokrowsky, V., **357,** 431
Debate over animals is given a personal touch. *News,* **357,** 530
NIH makes room for the unconventional after Congress mandates new programme. *News,* **358,** 5
Panel trims NSF budget. *News,* **358,** 5
Anything left for civilian science?. *News,* **358,** 270
House vote to kill SSC reflects squeeze that budget deficit puts on all research. (*with* Anderson, C) *News,* **357,** 616
Supercollider creates a field of dreams for luring high-energy physicists to Texas. *Commentary,* **357,** 632
Four who have come. *Commentary,* **357,** 633
Healy attacks NASA's claims; bad news for research budgets. *News,* **358,** 441
See under Swinbanks, D., **358,** 527
Bush spins tall tale of technology transfer. *News,* **358,** 530
See under Anderson, C., **359,** 566
NSF drops flat-rate plan for grants in mathematics. *News,* **359,** 661
Scope and speed of NSF commission is criticized. *News,* **359,** 767
Book review of Stealing into Print: Fraud, Plagiarism, and Misconduct in Scientific Publishing (*by* LaFollette, M) **359,** 787
Book review of Impure science: Fraud, compromise and political influence in scientific research (*by* Bell, R) **357,** 374
See under Swinbanks, D., **360,** 5
Clinton's science policies and personnel have yet to emerge as he prepares for presidency. *News,* **360,** 95
Science loses two good friends. *News,* **360,** 95
Yeltsin's ecology adviser chips away at a sorry past. *News,* **360,** 198
Livermore laboratory buys Russian papers on laser technology. *News,* **360,** 199
NSF will experiment with fixed budgets in an effort to simplify grants process. *News,* **359,** 94
NIH looks inward and outside for ways to help minorities. *News,* **359,** 186
Blow struck against US pork-barrel. *News,* **359,** 259
First meeting of commission gives Massey a boost in plotting viable future for NSF. *News,* **359,** 261
Alberts emphasizes education as nominee to head NAS. *News,* **359,** 264
Report proposes US forum to link research to needs. *News,* **359,** 350
Don't ask for too much, industry tells Congress. *News,* **359,** 350
Toshiba to help US students think about technology. *News,* **359,** 351
NSF get a pat on the back in report suggesting stronger industrial ties. *News,* **360,** 285
Animal research: airlines vs activists. *News,* **355,** 664
Global change: US research could lose lustre. *News,* **355,** 578
Gravity wave detectors: US picks 2 sites, Europe waits. *News,* **355,** 756
Russian science: A way to wean weapons makers. *News,* **355,** 756
Mescher, M F. *See under* O'Rourke, A M., **358,** 253
Messenguy, F. *See under* Oliver, S G., **357,** 38
Messier, R. *Journal review by* Cahn, R W., **359,** 456
Mestre, X. *See under* Ancel, A., **360,** 336
Metzstein, M. *See under* Sulston, J., **356,** 37
Meunier, J. *See under* Bercegol, H., **356,** 226
Mewes, H W. *See under* Oliver, S G., **357,** 38
Meyer, A. *See under* Sturmbauer, C., **358,** 578
Meyer, C P. *See under* Ayers, G P., **360,** 446
Meyer, D I. *See under* Punch, M., **358,** 477
See under Clark, S W., **359,** 247
Meyer, E. *See under* Zatorre, R J., **360,** 339
See under Overney, R M., **359,** 133
Meyer, F M. *See under* Robb, L J., **357,** 677
Meyer, G A. Response of alluvial systems to fire and climate change in Yellowstone National Park. (*with* Wells, S G, Balling, R C, Jull, A J T) *Letter to Nature,* **357,** 147
Meyer, P. *See under* Bloomer, S., **357,** 117
Meyer, W B. . *Book review by* Rosenzweig, C. **355,** 781
Meyerowitz, E M. Plant genetics: Light in the dark. *News and views,* **360,** 419
Meynadier, L. *See under* Valet, J-P., **356,** 400
Michael, A. Earthquakes: Three's a crowd in California. *News and views,* **357,** 111
Michaels, G . *See under* Boguski, M S., **358,** 113
Michaels, G S. *See under* Munson, P J., **360,** 636
Michalides, R J A M. *See under* Doherty, P., **356,** 791
Michalska, J. *See under* Perera, F P., **360,** 256
Michalske, T A. *See under* Houston, J E., **356,** 266
Michel, F C. Pulsar emissions. (*with* Dermer, C D) *Scientific correspondence,* **356,** 483
Michel, R H. Chemical evidence for ancient beer. (*with* McGovern, P E, Badler, V R) *Scientific correspondence,* **360,** 24
Michelson, P F. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Michie, C A. Lifespan of human lymphocyte subsets defined by CD45 isoforms. (*with* McLean, A, Alcock, C, Beverley, P C L) *Letter to Nature,* **360,** 264
Michie, D. *Book review of* The Cybernetics group (*by* Heims, S J) **356,** 117
Middlehoek, S. *Journal review by* Compton, R., **359,** 458
Middleton, A E. *Book review of* The biotechnologists (*by* Jones, S) **356,** 630
Middleton, K. *See under* Hyman, A A., **359,** 533
Midgley, M. *Book review by* Sutherland, S, **357,** 550
Mierle, G. *See under* Nriagu, J O., **356,** 389
Mihaly, L. *See under* Stephens, P W., **355,** 331
See under Stephens, P W., **355,** 331
Milek, S M. Short alanine-based peptides may form 3$_{10}$-helices and not Ö-helices in aqueous solution. (*with* Martinez, G V, Fiori, W R, Todd, A P, Milihauser, G L) *Letter to Nature,* **359,** 653
Mikkelsen, T. *See under* Sidransky, D., **355,** 846
Miklos, D. *See under* Yaffe, M B., **358,** 245
Milani, A. An example of stable chaos in the Solar System. (*with* Nobili, A M) *Letter to Nature,* **357,** 569
Mildner, D F R. *See under* Chen, H., **357,** 391
Miles, J R. *See under* Hall, D I., **358,** 629
Miley, G K. *See under* van Kerkwijk, M H., **355,** 703
Milford, E L. *See under* Watkins, D L., **357,** 329
Millasseau, P. *See under* Weissenbach, J., **359,** 794
Miller, A. *Book review of* Macromolecular crystallography with synchrotron radiation (*by* Helliwell, J R) **357,** 454
See under Lehmann, P V., **358,** 155
Miller, A D. Human gene therapy comes of age. *Review article,* **357,** 455
Miller, B. Potentiation of NMDA receptor currents by arachidonic acid. (*with* Sarantis, M, Traynelis, S F, Attwell, D) *Letter to Nature,* **355,** 722
Miller, D J. **356,** 756
High-energy physics: Casting more light on light. *News and views,* **357,** 285
Complementarity between sperm surface ß-1,4-galactosyltransferase and egg-coat ZP3 mediates sperm-egg binding. (*with* Macek, M B, Shur, B D) *Letter to Nature,* **357,** 589
Miller, D K. *See under* Thornberry, N A., **356,** 768
Miller, D M. *C. elegans unc-4* gene encodes a homeodomain protein that determines the pattern of synaptic input to specific motor neurons. (*with* Shen, M M, Shamu, C E, Bürglin, T R, Ruvkun, G, Dubois, M L, Ghee, M, Wilson, L) *Letter to Nature,* **355,** 841
Miller, G H. Will greenhouse warming lead to Northern Hemisphere ice-sheet growth?. (*with* de Vernal, A) *Letter to Nature,* **355,** 244
Miller, H. *See under* Oerter, H., **358,** 399
Miller, H I. Drug approvals. *Correspondence,* **356,** 189
Altered food. *Correspondence,* **360,** 101
Miller, J. *See under* Peterson, M., **357,** 596
Miller, J F A P. *See under* Heath, W R., **359,** 547
Miller, R G. *See under* Gussoni, E., **356,** 435
Miller-Roehrich, J. *See under* Looker, D., **356,** 258
Millhauser, G L. *See under* Miick, S M., **359,** 653
Milne, A. Rewriting the history of science. *Correspondence,* **359,** 265
Milstein, C. *See under* Gherardi, E., **357,** 201
Milton, R. True or false?. *Correspondence,* **359,** 665
Book review by Nisbet, E G, **360,** 390
Milunsky, A. *See under* Baldwin, C T., **355,** 637
Mims, F M III. In defence of radioactive journals. *Scientific correspondence,* **359,** 784
Journal review by Lovelock, J., **359,** 436
Minassian, A. *See under* Nara, P., **360,** 215
Minchin, P E H. *See under* Wildon, D C., **360,** 62
Minikin, A. *See under* Oerter, H., **358,** 399
Minsky, M. *See under* Harrison, H., **360,** 395
Minsuk, S B. *See under* Purcell, S M., **360,** 404
Mintz, I M. P-type calcium channels blocked by the spider toxin omega-Aga-IVA. (*with* Venema, V J, Swiderek, K M, Lee, T D, Bean, B P, Adams, M E) *Letter to Nature,* **355,** 827
Mintzer, I M. . *Book review by* Thompson, R D. **359,** 115
Mintzer, K A. *See under* Tybulewicz, V L J., **357,** 407
Mirabel, I F. A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942. (*with* Rodríguez, L F, Cordier, B, Paul, J, Lebrun, F) *Letter to Nature,* **358,** 215
Miras-Portugal, M T. *See under* Herrero, I., **360,** 163
Mirda, D. *See under* Peters, K G., **358,** 678
Misawa, S. *See under* Endo, K., **355,** 327
Mishina, M. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
See under Mori, H., **358,** 673
Missiaen, L. Ca^{2+} release induced by inositol 1,4,5-trisphosphate is a steady-state phenomenon controlled by luminal Ca^{2+} in permeabilized cells. (*with* De Smedt, H, Droogmans, G, Casteels, R) *Letter to Nature,* **357,** 599
Mitchell, J K. *Journal review by* Grubb, M., **359,** 462
Mitchell, M J. Marsupial Y chromosome encodes a homologue of the mouse Y-linked candidate spermatogenesis gene *Ubely*. (*with* Woods, D R, Wilcox, S A, Marshall Graves, J A, Bishop, C E) *Letter to Nature,* **359,** 528
Mitchell, P J. An electrochemical route to pre-shaped ceramic bodies. (*with* Wilcox, G D) *Letter to Nature,* **357,** 395
Mitchell, V S. . *Book review by* Cox, F E G. **359,** 114
Mitchison, G. Neural networks: Learning from your neighbour. (*with* Durbin, R) *News and views,* **355,** 112
Mitchison, N A. *Book review of* Pietà (*by* Klein, G) **360,** 388
Mitchison, T J. *Book review of* Cell movements (*by* Bray, D) **357,** 32
Book review of Molecules of the cytoskeleton (*by* Amos, L) **357,** 32
See under Hyman, A A., **359,** 533
See under Sawin, K E., **359,** 540
Mitsuhashi, M. Gene manipulation on plastic plates. (*with* Keller, C, Akitaya, T) *Product review,* **357,** 519
Mitsui, H. *See under* Tatsuka, M., **359,** 333
Mittler, J E. Experimental evidence for an alternative to directed mutation in the *bgl* operon. (*with* Lenski, R E) *Letter to Nature,* **356,** 446
Mitton, J. *Book review by* Tayler, R J., **356,** 395
Mitton, J B. *See under* Grant, M C., **360,** 216
Mitton, S. *Book review of* Stephen Hawking: A life in science (*by* White, M) **356,** 25
Mittwoch, U. *Book review of* A history of regeneration research: Milestones in the evolution of a science (*Edited by* Dinsmore, C E) **356,** 671
Book review of A conceptual history of modern embryology. Volume 7 of developmental biology: A comprehensive synthesis (*Edited by* Gilbert, S F) **356,** 671
Nature for non-English speakers. *Correspondence,* **360,** 203
Miyairi, H. *Journal review by* Cahn, R W., **359,** 456
Miyakawa, H. *See under* Jaffe, D B., **357,** 244
Miyake, Y. *See under* Kikuchi, K., **357,** 142
Mizuki, J. *See under* Tanigaki, K., **356,** 419
See under Ebbesen, T W., **355,** 620
Mockridge, I. *See under* Kelly, A., **355,** 641
Moerner, W E. *See under* Basché, Th., **355,** 335
Moggridge, G D. Spectroscopic observation of a catalyst surface in a reactive atmosphere at high pressure. (*with* Rayment, T, Ormerod, R M, Morris, M A, Lambert, R M) *Letter to Nature,* **358,** 658
Mohammad, J. *See under* Hjertén, S., **356,** 810
Mohammadi, M. Point mutation in FGF receptor eliminates phosphatidylinositol hydrolysis without affecting mitogenesis. (*with* Dionne, C A, Li, W, Li, N, Spivak, T, Honegger, A M, Jaye, M, Schlessinger, J) *Letter to Nature,* **358,** 681
Mohanty, G. *See under* Punch, M., **358,** 477
Mohanty-Hejmadi, P. Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment. (*with* Dutta, S K, Mahapatra, P) *Letter to Nature,* **355,** 352
Möhle-Steinlein, U. *See under* Wang, Z-Q., **360,** 741
Mohr, G. *See under* Berthold, P., **360,** 668
Mohr, P. *See under* Asfaw, L M., **357,** 447
Moldowan, J M. *See under* Dahl, J., **355,** 154
Mole, R. *See under* Vessal, B., **356,** 504
Mole, R H. Alpha-particles and leukaemia. *Scientific correspondence,* **357,** 369
Molemans, F. *See under* Oliver, S G., **357,** 38
Molesini, G. *See under* Greco, V., **358,** 101
Molina, T J. Profound block in thymocyte development in mice lacking p56^{lck}. (*with* Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) *Letter to Nature,* **357,** 161
Molineaux, S M. *See under* Thornberry, N A., **356,** 768
Moll, T. *See under* Dirick, L., **357,** 508
Molla, A. Cardioviral internal ribosomal entry site is functional in a genetically engineered dicistronic poliovirus. (*with* Jang, S K, Paul, A V, Reuer, Q, Wimmer, E) *Letter to Nature,* **356,** 255
Moller, A P. *See under* Birkhead, T R., **357,** 30
Female swallow preference for symmetrical male sexual ornaments. *Letter to Nature,* **357,** 238

Møller, A P. Swallowing ornamental asymmetry, *Scientific correspondence*, **359,** 488
Møller, P. *See under* Stiavelli, M., **355,** 802
Mollereau, C. *See under* Parmentier, M., **355,** 453
Molling, P A. *See under* Sverjensky, D A., **356,** 231
Mollison, D. *Book review of* Infectious diseases of humans: Dynamics and control (*by* Anderson, R M) **358,** 29
Mollon, J. Colour vision: Worlds of difference, *News and views*, **356,** 378
Mollon, J D. *Book review of* Paul Signac and color in neo-impressionism (*by* Ratliff, F) **358,** 379
The spatial arrangement of cones in the primate fovea, (*with* Bowmaker, J K) *Letter to Nature*, **360,** 677
Molnar, L A. *See under* van Kerkwijk, M H., **355,** 703
Molnar, P. Mountain building: Crust in mantle overdrive, *News and views*, **358,** 105
Climate and landscape response: Reply, (*with* England, P) *Scientific correspondence*, **355,** 306
Molodensky, M M. *See under* Koutchmy, S., **360,** 717
Mombaerts, P. Mutations in T-cell antigen receptor genes Ó and ß block thymocyte development at different stages, (*with* Clarke, A R, Rudnicki, M A, Iacomini, J, Itohara, S, Lafaille, J j, Wang, L, Ichikawa, Y, Jaenisch, R, Hooper, M L, Tonegawa, S) *Article*, **360,** 225
Erratum: Mutations in T-cell antigen receptor genes Ó and ß block thymocyte development at different stages, (*with* Clarke, A R, Rudnicki, M A, Iacomini, J, Itohara, S, Lafaille, J J, Wang, L, Ichikawa, Y, Jaenisch, R, Hooper, M L, Tonegawa, S) *Article*, **360,** 491
Momburg, F. Proteasome subunits encoded by the major histocompatibility complex are not essential for antigen presentation, (*with* Ortiz-Navarrete, V, Neefjes, J, Goulmy, E, van de Wal, Y, Spits, H, Powis, S J, Butcher, G W, Howard, J C, Walden, P, Hämmerling, G J) *Letter to Nature*, **360,** 174
Monaco, J J. *See under* Attaya, M., **355,** 647
Monceau, P. *See under* Regueiro, M N., **355,** 237
Monck, J R. *See under* Oberhauser, A F., **360,** 271
Mond, D. *Journal review by* Barnard, T., **359,** 463
Montague, M A. *See under* Oliver, S G., **357,** 38
Montague, P. *See under* Schneider, A., **358,** 758
Montecucco, C. *See under* Schiavo, G., **359,** 832
Montgomery, C A. *See under* Donehower, L A., **356,** 215
Montgomery, K. 'Neutral' CFCs?, *Correspondence*, **356,** 738
Montigny, C v. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Montzka, S A. *See under* Butler, J H., **359,** 403
Moolenaar, C E C K. *See under* Doherty, P., **356,** 791
Moomaw, B. Missing the Moon, *Correspondence*, **360,** 291
Moon, F C. Dynamical systems: Coming to grips with chaos, *News and views*, **355,** 675
Mooney, H A. *See under* Ehleringer, J R., **359,** 316
Moore Jr, T C. *See under* Sloan, L C., **357,** 320
Moore, G R. *Book review of* Pigment of the imagination: A history of phytochrome research (*by* Sage, L C) **359,** 598
Moore, P B. RNA catalysis: The universe expands, *News and views*, **357,** 439
Moore, P D. Ecology: Pastoral plumbing, *News and views*, **357,** 644
Ecology: Not only gone with the wind, *News and views*, **357,** 116
Ecology: A leaf for all seasons, *News and views*, **360,** 110
Book review of Diversity and evolution of land plants (*by* Ingrouille, M) **359,** 205
Morales, T H. *See under* Koslowsky, D J., **356,** 807
Moran, S B. Short residence time of colloids in the upper ocean estimated from ^{238}U-^{234}Th disequilibria, (*with* Buesseler, K O) *Letter to Nature*, **359,** 221
Moras, D. *See under* Rondeau, J-M., **355,** 469
Morata, G. *See under* Lawrence, P A., **356,** 107
Morel, A. Molecular cloning and expression of a rat V1a arginine vasopressin receptor, (*with* O'Carroll, A-M, Brownstein, M J, Lolait, S J) *Letter to Nature*, **356,** 523
See under Lolait, S J., **357,** 336
Morel, B. *See under* Black, S., **360,** 621
Moreno, R. *See under* Adams, M D., **355,** 632
Morgan, A. Exo1 and Exo2 proteins stimulate calcium-dependent exocytosis in permeabilized adrenal chromaffin cells, (*with* Burgoyne, R D) *Letter to Nature*, **355,** 833
Morgan, B A. Targeted misexpression of *Hox-4.6* in the avian limb bud causes apparent homeotic transformations, (*with* Izpisua-Belmonte, J-C, Duboule, D, Tabin, C J) *Letter to Nature*, **358,** 236
Morgan, E. Kiwi's egg, *Scientific correspondence*, **355,** 401
Morgan, J P. Flattening of the sea-floor depth-age curve as a response to asthenospheric flow, (*with* Smith, W H F) *Letter to Nature*, **359,** 524
Morgan, M. *Book review of* The lopsided ape: Evolution of the generative mind (*by* Corballis, M C) **356,** 754
Morgan, M G. *See under* Lave, L B., **355,** 197
Morgan, M J. Spatial filtering precedes motion detection, *Letter to Nature*, **355,** 344
Mori, H. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
Identification by mutagenesis of a Mg^{2+}-block site of the NMDA receptor channel, (*with* Masaki, H, Yamakura, T, Mishina, M) *Letter to Nature*, **358,** 673
Mori, K. *See under* Kimura, T., **356,** 526
See under Kimura, T., **357,** 176
Morin, N. *See under* Foor, F., **360,** 682
Morissette, J. *See under* Weissenbach, J., **359,** 794
Morita, C T. *See under* Porcelli, S., **360,** 593
Morooka, S. *See under* Kumar, K-N P., **358,** 48
Morowitz, H J. *Book review by* Hubbard, R., **360,** 379
Morris, D B. *Book review by* Duggan, A W., **356,** 120
Morris, H R. Action on academic pay, *Correspondence*, **356,** 10
Morris, J. *Journal review by* Goswell, R., **359,** 449
Morris, M. Galactic centre: Hard-pressed molecular clouds, *News and views*, **357,** 640
Morris, M A. *See under* Moggridge, G D., **358,** 658
Morris, R. *See under* Tiveron, M-C., **355,** 745
Morris, R E. Determination of complex structures by combined neutron and synchrotron X-ray powder diffraction, (*with* Harrison, W T A, Nicol, J M, Wilkinson, A P, Cheetham, A K) *Letter to Nature*, **359,** 519
Morrison, D. *See under* Dickson, B., **360,** 600
Morrow, R. Eddy momentum flux and its contribution to the Southern Ocean momentum balance, (*with* Church, J, Coleman, R, Chelton, D, White, N) *Letter to Nature*, **357,** 482
Morton, J. **355,** 31
Moryl, J. *See under* Hodgson, A., **356,** 501
Moscovitch, M. *See under* Behrmann, M., **359,** 636
Moser, C C. Nature of biological electron transfer, (*with* Keske, J M, Warncke, K, Farid, R S, Dutton, P L) *Article*, **355,** 796
Moskal, J R. *See under* Thompson, L T., **359,** 638
Mottonen, J. Structural basis of latency in plasminogen activator inhibitor-1, (*with* Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) *Letter to Nature*, **355,** 270
Motulsky, A G. *See under* Winderickx, J., **356,** 431
Motykiewicz, G. *See under* Perera, F P., **360,** 256
Mould, S M. Speaking volumes, *Correspondence*, **356,** 470
Moulin, A M. *Book review by* Rosen, F S, **356,** 119
Mountford, M D. Density-dependent populations, (*with* Rothery, P) *Scientific correspondence*, **356,** 391
Moyzis, R. *See under* Kang, C H., **356,** 126
Muchamore, I. *See under* Guthrie, S., **356,** 157
See under Marshall, H., **360,** 737
Muirhead, C. *See under* He, Y., **357,** 227
Mullan, M. *See under* Crawford, F., **356,** 390
See under Hardy, J., **359,** 268
Mullbacher, A. *See under* Ada, G., **359,** 572
Muller, D A. *See under* McKenzie, D R., **355,** 622
Muller, R. Evolution and advection of solar mesogranulation, (*with* Auffret, H, Roudier, T, Vigneau, J, Simon, G W, Frank, Z, Shine, R A, Title, A M) *Letter to Nature*, **356,** 322
Müller, S. *See under* Bauer, P H., **358,** 73
Müller, S C. *See under* Schütze, J., **356,** 45
Möller, W. *See under* Rajewsky, K., **359,** 371
Mulligan, R C. *See under* Tybulewicz, V L J., **357,** 407
Multigner, L. Stabilization of sea urchin flagellar microtubules by histone H1, (*with* Gagnon, J, Van Dorsselaer, A, Job, D) *Article*, **360,** 33
Mumford, R A. *See under* Thornberry, N A., **356,** 768
Mundell, I. Ozone depletion: Mixed Arctic results, *News*, **356,** 552
Higher education: A European university, *News*, **356,** 553
Industrial research: Report calls UK approach simplistic, *News*, **356,** 555
UK science policy: Out of many, one, *News*, **356,** 646
European research funding: Maastricht drives R&D to the market, *News*, **356,** 650
Bioethics: Europe drafts a convention, *News*, **356,** 368
Ocean monitoring: Economic crisis squeezes data, *News*, **356,** 372
Environmental research: Power company leaves environmental legacy, *News*, **356,** 466
UK higher education: Faraday, Newton .. and Parnaby?, *News*, **356,** 467
See under Swinbanks, D., **356,** 734
Medical ethics: UK panels need more clout, *News*, **356,** 737
Renewable energy may fall off Britain's research agenda, *News*, **357,** 8
More green for greener satellites, *News*, **357,** 9
Sweeter offer by Wellcome keeps genome scientist in Britain, (*with* Anderson, C) *News*, **357,** 99
Big sciences united in reshuffle of SERC, *News*, **357,** 101
Marine biasts to be regulated following UK protest, *News*, **357,** 183
Botswana needs science help to save plant and animal species, *News*, **357,** 184
Researchers look beyond UNCED, *News*, **357,** 269
British JET staff to strike over pay and prospects, *News*, **357,** 270
Science panel's report could end whaling ban, (*with* Swinbanks, D) *News*, **357,** 350
France welcomes British physicists, *News*, **357,** 350
European Environment Agency still in limbo, *News*, **357,** 353
Star wars - the astronomers strike back, *News*, **357,** 430
Scientific panel continues work on whaling ban, *News*, **358,** 99
New university funding council to reward potential, *News*, **358,** 100
Ban on primate trade seen as threat to animals, *News*, **358,** 7
British military beckons environmental researchers, *News*, **358,** 179
UK centres target brain drain, *News*, **358,** 182
Concrete holds key to ESRF's opening, *News*, **358,** 182
UK agricultural funding leans towards policy, *News*, **358,** 268
Wellcome Trust to double spending after sale of shares, *News*, **358,** 359
Clinical research damaged by UK health service reforms, *News*, **357,** 617
Research effort is preserved in plan to close London Zoo, *News*, **357,** 620
Academy's letter to Russian raises issue of political views, *News*, **358,** 442
Cost of cleanliness may sink European Mars mission, *News*, **358,** 443
ICI splits in two, forms drugs company, *News*, **358,** 443
Biosphere 2 project told to make room for science, *News*, **358,** 444
NASA's problems in space cat into time for research, *News*, **358,** 529
Britain wrestles with EC rule on modified organisms, *News*, **359,** 569
NHS opens meta-analysis centre, *News*, **359,** 660
See under Anderson, C., **359,** 767
Buyer shows a fine eye for science, *News*, **359,** 767
Dutch flower may be too safe to test new biotechnology laws, *News*, **358,** 614
Ways to keep Mars 'clean', *News*, **358,** 699
Research groups to leave Hunterian Institute, *News*, **358,** 704
Dutch shake up funding council, shift its emphasis, *News*, **360,** 6
BAAS embraces role of educating public, *News*, **359,** 5
See under Abbott, A., **359,** 96
Wellcome Trust to list jobs, grants on line, *News*, **359,** 97
Newton statue under fire, *News*, **359,** 178
New life planned for British plasma science, *News*, **359,** 179
University wants to buy journals directly, *News*, **359,** 179
New rules in Britain make it harder for older scientists to use animals, *News*, **359,** 262
Worthy proposals get second life, *News*, **359,** 262
OST rows with tide in report on intellectual property, *News*, **359,** 264
UK nuclear physicists wonder if there is life after Daresbury, *News*, **359,** 352
British physicist to head CERN, *News*, **359,** 352
Answers, but no solutions, for dispute at JET, *News*, **359,** 352
Reshuffling of funding councils jeopardizes plans for UK academic computer network, *News*, **359,** 468
Japanese moth collection lands in London, *News*, **359,** 468
Royal Society wants extra powers for science office, *News*, **359,** 469
UK moves closer to free market for research funding, *News*, **359,** 470
Munson, P J. DNA correlations, *Scientific correspondence*, **360,** 636
Murakami, M. Antigen-induced apoptotic death of Ly-1 B cells responsible for autoimmune disease in transgenic mice, (*with* Tsubata, T, Okamoto, M, Shimizu, A, Kumagai, S, Imura, H, Honjo, T) *Letter to Nature*, **357,** 77
Murakami, W T. *See under* Griffith, J P., **355,** 652
Murakami, Y. Ornithine decarboxylase is degraded by the 26S proteasome without ubiquitination, (*with* Matsufuji, S, Kameji, T, Hayashi, S, Igarashi, K, Tamura, T, Tanaka, K, Ichihara, A) *Letter to Nature*, **360,** 597
Murata, N. Genetically engineered alteration in the chilling sensitivity of plants, (*with* Ishizaki-Nishizawa, O, Higashi, S, Hayashi, H, Tasaka, Y, Nishida, I) *Letter to Nature*, **356,** 710
Genetically engineered alteration in the chilling sensitivity of plants: Correction, (*with* Ishizaki-Nishizawa, O, Higashi, S, Hayashi, H, Tasaka, Y, Nishida, I) *Letter to Nature*, **357,** 607
Murchie, A I H. *See under* Aboul-ela, F., **360,** 280
Muroff, I. *See under* Amon, A., **355,** 368
Murphy, D W. *See under* Rosseinsky, M J., **356,** 416
Murphy, F L. *See under* Pyle, A M., **358,** 123
Murray, A W. Creative blocks: cell-cycle checkpoints and feedback controls, *Review article*, **359,** 599
See under Sorger, P K., **355,** 365
Murray, C D. Solar system: Wandering on a leash, *News and views*, **357,** 542
Murthy, K K. *See under* Emini, E A., **355,** 728
Murton, B J. Hydrothermal supermounds, (*with* German, C R) *Scientific correspondence*, **358,** 629
Murzin, A G. Familiar strangers, *Scientific correspondence*, **360,** 635
Musacchio, A. Crystal structure of a Src-homology 3 (SH3) domain, (*with* Noble, M, Pauptit, R, Wierenga, R, Saraste, M) *Letter to Nature*, **359,** 851
Musci, T S. *See under* Chisaka, O., **355,** 516
Musier-Forsyth, K. Functional contacts of a transfer RNA synthetase with 2'-hydroxyl groups in the RNA minor groove, (*with* Schimmel, P) *Letter to Nature*, **357,** 513
Muzi Falconi, M. *See under* Oliver, S G., **357,** 38
Myers, N. **358,** 200
Myers, R. *Journal review by* Sarkar, G., **359,** 447
Myles, D G. *See under* Blobel, C P., **356,** 248
Naar, D F. *See under* Larson, R L., **356,** 571
Nabavi, N. Signalling through the MHC class II cytoplasmic domain is required for antigen presentation and induces B7 expression, (*with* Freeman, G J, Gault, A, Godfrey, D, Nadler, L M, Glimcher, L H) *Letter to Nature*, **360,** 266
Nadeau, J. *Journal review by* Copeland, N G., **359,** 440
Nadler, L M. *See under* Nabavi, N., **360,** 266
Naftalin, R J. Anal sex and AIDS, *Correspondence*, **360,** 10
Nagai, K. *See under* Looker, D., **356,** 258
Protein engineering in haemoglobin, (*with* Komiyama, N)

Scientific correspondence, **355**, 777
Nagamoto, H. *See under* Kumar, K-N P., **358**, 48
Nagata, A. *See under* Tatsuka, M., **359**, 333
Nagata, S. *See under* Watanabe-Fukunaga, R., **356**, 314
Nagel, G. The protein kinase A-regulated cardiac Cl- channel resembles the cystic fibrosis transmembrane conductance regulator. (*with* Hwang, T-C, Nastiuk, K L, Nairn, A C, Gadsby, D C) *Letter to Nature*, **360**, 81
Nagle, D E. . *Book review by* Miller, D J, **356**, 756
Nagle, J W. *See under* Adams, M D., **355**, 632
Nairn, A C. *See under* Hartwig, J H., **356**, 618
See under Nagel, G., **360**, 81
Nakada, M. *See under* Lambeck, K., **357**, 125
Nakada, S. *See under* Sato, H., **360**, 664
Nakagawa, A. *See under* Kondo, T., **358**, 515
Nakahara, N. *See under* Kikuchi, K., **357**, 142
Nakamura, A. *See under* Ueno, A., **356**, 136
Nakamura, R M. . *Book review by* Malan, G. **358**, 200
Nakayama, K. *See under* He, Z J., **359**, 231
Nakazato, K. *See under* Hjertén, S., **356**, 810
Nandra, K. Highly ionized gas in the nucleus of the active galaxy MCG-6-30-15, (*with* Pounds, K A) *Letter to Nature*, **359**, 215
Nanni, R G. *See under* Arnold, E., **357**, 85
Nara, P. Universal cellular tropism?, (*with* Tsai, W-P, Kung, H-F, Minassian, A, Garrity, R, Goudsmit, J, Rimmelzwaan, G) *Scientific correspondence*, **360**, 215
Narendran, A. *See under* Molina, T J., **357**, 161
Narlikar, J V. *See under* Arp, H C., **357**, 287
Nash, G. *See under* Roberts, D J., **357**, 689
Nasmyth, K. *See under* Dirick, L., **357**, 508
See under Primig, M., **358**, 593
See under Amon, A., **355**, 368
Nastiuk, K L. *See under* Nagel, G., **360**, 81
Nater, E A. Regional trends in mercury distribution across the Great Lakes states, north central USA, (*with* Grigal, D F) *Letter to Nature*, **358**, 139
Nathans, J. *See under* Merbs, S L., **356**, 433
Naumann, M. *See under* Wulczyn, F G., **358**, 597
Navas, L. *See under* Oliver, S G., **357**, 38
Nave, K-A. *See under* Schneider, A., **358**, 758
Navratil, O. *See under* He, Y-Y., **359**, 431
Navrotsky, A. Unmixing of hot inorganic melts. *Scientific correspondence*, **360**, 306
Navsaria, H. *See under* Lane, E B., **356**, 244
Naylor, D A. *See under* Lindsey, C., **358**, 308
Naylor, G J P. *See under* Martin, A P., **357**, 153
Naylor, R. **355**, 597
Naylor, T. *See under* Casares, J., **355**, 614
Nealey, T A. *See under* Ferrera, V P., **358**, 756
Nee, S. Uncorrelated DNA walks. *Scientific correspondence*, **357**, 450
Needham, L A. *See under* Fawcett, J., **360**, 481
Neefjes, J. *See under* Momburg, F., **360**, 174
Neel, B G. *See under* Shou, C., **358**, 351
Neel, J V. . *Book review by* Crow, J F. **357**, 31
Nefdt, R J C. *See under* Deutsch, J C., **356**, 596
Nefedov, O M. *Journal review by* Crombie, L., **359**, 457
Negus, J A. Peer review, *Correspondence*, **358**, 364
Neher, E. *See under* Chow, R H., **356**, 60
Cell physiology: Controls on calcium influx, *News and views*, **355**, 298
Nei, M. *See under* Hughes, A L., **355**, 402
Neil, S J. *See under* Elwood, R W., **357**, 205
Neill, W E. Population variation in the ontogeny of predator-induced vertical migration of copepods. *Letter to Nature*, **356**, 54
Neira, J-L. *See under* Serrano, L., **356**, 453
Nel, H L *See under* Thompson, D J., **359**, 615
Nelkin, D. **360**, 380
Nelson, A. *See under* Chapman, S., **359**, 207
Nelson, B K. *See under* Ward, P D., **358**, 378
Nelson, D L. *See under* Attree, O., **358**, 239
Neri, L M. *See under* Martelli, A M., **358**, 242
Neupert, W. *See under* S/%apllner, T., **355**, 84
Neurath, H. *Journal review by* Littlechild, J A., **359**, 448
Neve, M. *Book review of* Articulating the Elephant Man: Joseph Merrick and his interpreters (*by* Graham, P W) **358**, 199
Nevins, J R. Transcriptional regulation: A closer look at E2F, *News and views*, **358**, 375
Newbold, C I. *See under* Roberts, D J., **357**, 689
Newcomb, J R. *See under* Riberdy, J M., **360**, 474
Newlon, C S. *See under* Oliver, S G., **357**, 38
Newman, M. *See under* Dhanaraj, V., **357**, 466
Newmark, P. *Journal review by* Brenner, S., **359**, 437
Newton, V E. *See under* Tassabehji, M., **355**, 635
Nice, D. *See under* Thompson, D J., **359**, 615
Nicholas, J. Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins. (*with* Cameron, K R, Honess, R W) *Letter to Nature*, **355**, 362
Nicholls, D G. Neurotransmission: A retrograde step forward, *News and views*, **360**, 106
Nichols, D J. Plants at the K/T boundary, *Scientific correspondence*, **356**, 295
Nicholson, P D. *See under* Rasio, F A., **355**, 325
Nickels, T B. *See under* Lim, T T., **357**, 225
Nicol, J M. *See under* Morris, R E., **359**, 519
Nicoll, R A. *See under* Kullmann, D M., **357**, 240
See under Manabe, T., **355**, 50
Niedobitek, G. *See under* Li, Q X., **356**, 347
Nielsen, B. *See under* Calvert, S E., **359**, 223
Nielsen, J B. *See under* Foor, F., **360**, 682
Nieminen, R. Surface physics: Hydrogen atoms band together, *News and views*, **356**, 289
Nierenberg, W A. . *Book review by* Smith, P J. **356**, 486
Niidome, T. *See under* Beam, K G., **360**, 169
Nikaidou, Y. *See under* Okada, K., **355**, 120
Niki, H. *See under* McConnell, J C., **355**, 150
Nikiforuk, A. *Book review by* Davenport-Hines, R, **356**, 639
Nikolov, D B. Crystal structure of TFIID TATA-box binding protein, (*with* Hu, S-H, Lin, J, Gasch, A, Hoffman, A, Horikoshi, M, Chua, N-H, Roeder, R G, Burley, S K) *Article*, **360**, 40
Nikonowicz, E P. Three-dimensional heteronuclear NMR studies of RNA, (*with* Pardi, A) *Letter to Nature*, **355**, 184
Nilsson, I. A. Exact tracking of pollen transfer and mating in plants, (*with* Rabakonandrianina, E, Pettersson, B) *Letter to Nature*, **360**, 666
Ninomiya-Tsuji, J. *See under* Shibuya, T., **357**, 700
Nisbet, E G. *Book review of* The age of the earth (*by* Dalrymple, G B) **360**, 390
Book review of The facts of life: Shattering the myth of Darwinism (*by* Milton, R) **360**, 390
Nishida, I. *See under* Murata, N., **356**, 710
See under Murata, N., **357**, 607
Nislow, C. A plus-end-directed motor enzyme that moves antiparallel microtubules *in vitro* localizes to the interzone of mitotic spindles, (*with* Lombillo, V A, Kuriyama, R, McIntosh, J R) *Letter to Nature*, **359**, 543
Nissen, P E. *See under* Gilmore, G., **357**, 379
Niwa, M. Are vertebrate exons scanned during splice-site selection?, (*with* MacDonald, C C, Berget, S M) *Letter to Nature*, **360**, 277
Niznik, H B. *See under* Van Tol, H H M., **358**, 149
Nobili, A M. *See under* Milani, A., **357**, 569
Noble, M. *See under* Musacchio, A., **359**, 851
Noble, N A. *See under* Border, W A., **360**, 361
Noble, W. *See under* Davidson, I., **355**, 403
Noga, E J. *See under* Burkholder, J-A M., **358**, 407; *Correction*, **360**, 768
Nojima, H. *See under* Tatsuka, M., **359**, 333
Nolan, P L. *See under* Bertsch, D L., **357**, 306
See under Thompson, D J., **359**, 615
Nomes, P. *See under* Reeve, H K., **359**, 823
Nonchev, S. *See under* Marshall, H., **360**, 737
Noonan, D J. *See under* Kliewer, S A., **358**, 771
Noone, D. *See under* Oliver, S G., **357**, 38
Norby, R J. Productivity and compensatory responses of yellow-poplar trees in elevated CO_2, (*with* Gunderson, C A, Wullschleger, S D, O'Neill, E G, McCracken, M K) *Letter to Nature*, **357**, 322
Norman, C. *See under* Ball, L., **359**, 23
Normark, S. *See under* Kuehn, M J., **356**, 252
North, A C T. *See under* Böcskei, Z., **360**, 186
Norén, O. *See under* Delmas, B., **357**, 417
Nottebohm, E. Connectivity of chemosensory neurons is controlled by the gene poxn in Drosophila, (*with* Dambly-Chaudière, C, Ghysen, A) *Letter to Nature*, **359**, 829
Novacek, M J. Mammalian phylogeny: shaking the tree, *Review article*, **356**, 121
Palaeontology: Wandering across time, *News and views*, **358**, 192
Nowak, M A. Evolutionary games and spatial chaos, (*with* May, R M) *Letter to Nature*, **359**, 826
Tit for tat in heterogeneous populations, (*with* Sigmund, K) *Letter to Nature*, **355**, 250
Nriagu, J O. Mercury pollution in Brazil, (*with* Pfeiffer, W C, Malm, O, Magalhaes de Souza, C M, Mierle, G) *Scientific correspondence*, **356**, 389
Numa, S. *See under* Heinemann, S H., **356**, 441
See under Beam, K G., **360**, 169
Nunberg, J H. *See under* Emini, E A., **355**, 728
Nussbaum, R L. *See under* Attree, O., **358**, 239
Nuutinen, M. *See under* Giardina, B., **355**, 777
Nyiri, L. Hungary's plans, *Correspondence*, **357**, 432
Nyman, P O. *See under* Cedergren-Zeppezauer, E S., **355**, 740
O'Brien, T J. *See under* Lloyd, H M., **356**, 222
O'Carroll, A-M. *See under* Morel, A., **356**, 523
See under Lolait, S J., **357**, 336
O'Connor, B A. *See under* Dhanaraj, V., **357**, 466
O'Donnell, P J. *See under* Wildon, D C., **360**, 62
O'Dowd, B F. *See under* Oksenberg, D., **360**, 161
O'Farrell, P H. Developmental biology: Big genes and little genes and deadlines for transcription, *News and views*, **359**, 366
O'Flaherty, K S. *See under* Punch, M., **358**, 477
O'Halloran, T V. *See under* Ansari, A Z., **355**, 87
O'Keefe, M A. *See under* Dong, W., **355**, 605
O'Keefe, S J. FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, (*with* Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) *Letter to Nature*, **357**, 692
O'Neill, E A. *See under* O'Keefe, S J., **357**, 692
O'Neill, E G. *See under* Norby, R J., **357**, 322
O'Neill, K P. *See under* Cahoon, D R Jr., **359**, 812
O'Nions, R K. *See under* Dia, A N., **356**, 786
See under Burton, K W., **357**, 235
O'Reilly, M A. *See under* Kim, S-J., **358**, 331
O'Riordan, T. *Journal review of* Journal of environmental and resource economics, (*Edited by* Opschoor, J B, Folmer, H, Jansen, H M A) **359**, 460
Book review of Green delusions: an environmentalist critique of radical environmentalism (*by* Lewis, M W) **360**, 387
O'Rourke, A M. Cytotoxic T-lymphocyte activation involves a cascade of signalling and adhesion events, (*with* Mescher, M F) *Letter to Nature*, **358**, 253
Oakley, B. *Book review of* Hard drive: Bill Gates and the making of the Microsoft empire (*by* Wallace, J) **359**, 25
Book review of Correction: Hard drive: Bill Gates and the making of the microsoft empire (*by* Wallace, J) **359**, 282
Oaks, S C Jr. . *Book review by* Cox, F E G. **359**, 114
Oancea, A. Allelic exclusion model questioned, (*with* Shulman, M J) *Scientific correspondence*, **359**, 371
Obata, M. *See under* Takazawa, E., **359**, 55
Oberg, A. Space science in Texas means basic research as well as support for manned flights, *Commentary*, **357**, 637
Oberhauser Ball, A. *See under* Zouros, E., **359**, 412
Oberhauser, A F. Exocytotic fusion is activated by Rab3a peptides, (*with* Monck, J R, Balch, W E, Fernandez, J M) *Letter to Nature*, **360**, 271
Obermaier, B. *See under* Bauer, P H., **358**, 73
Obrenovic, S. Serbia defended, *Correspondence*, **359**, 355
Obón-de-Castro, C. *See under* Rivera-Núñez, D., **360**, 291
Ochi, A. Death by superantigen, (*with* Kawabi, Y) *Scientific correspondence*, **355**, 211
Ode, P J. *See under* Grbic, M., **360**, 254
Oden, N L. *See under* Sokal, R R., **355**, 214
Oehlschlaeger, F H. *See under* Graham, P W., **358**, 199
Oerter, H. Evidence for basal marine ice in the Filchner-Ronne ice shelf, (*with* Kipfstuhl, J, Determann, J, Miller, H, Wagenbach, D, Minikin, A, Graf, W) *Letter to Nature*, **358**, 399
Oesterheld, M. Effect of animal husbandry on herbivore-carrying capacity at a regional scale, (*with* Sala, O E, McNaughton, S J) *Letter to Nature*, **356**, 234
Oesterhelt, D. **357**, 654
Ogawa, H. Comparison of two methods for measuring dissolved organic carbon in sea water, (*with* Ogura, N) *Letter to Nature*, **356**, 696
Seawater carbon measurement, (*with* Ogura, N) *Scientific correspondence*, **359**, 202
Ogura, N. *See under* Ogawa, H., **356**, 696
See under Ogawa, H., **359**, 202
Ohara, K. *See under* Van Tol, H H M., **358**, 149
Ohki, M. *See under* Chumakov, I., **359**, 380
Ohkohchi, M. *See under* Shinohara, H., **357**, 52
Ohlendieck, K. *See under* Matsumura, K., **360**, 588
Ohno, T R. Doping of C_{60} with iodine, (*with* Kroll, G H, Weaver, J H, Chibante, L P F, Smalley, R E) *Scientific correspondence*, **355**, 401
Ohring, M. *Book review by* Thompson, C V. **357**, 292
Ojemann, G A. *See under* Haglund, M M., **358**, 668
Oji, T. *See under* Amemiya, S., **357**, 546
Okabe, I. *See under* Attree, O., **358**, 239
Okada, K. Kuwaiti soot over Japan, (*with* Ikegami, M, Uchino, O, Nikaidou, Y, Zaizen, Y, Tsutsumi, Y, Makino, Y) *Scientific correspondence*, **355**, 120
Okamoto, M. *See under* Murakami, M., **357**, 77
Okayama, H. *See under* Kimura, T., **356**, 526
See under Kimura, T., **357**, 176
See under Tatsuka, M., **359**, 333
Oksenberg, D. A single amino-acid difference confers major pharmacological variation between human and rodent 5-HT_{1B} receptors, (*with* Marsters, S A, O'Dowd, B F, Jin, H, Havlik, S, Peroutka, S J, Ashkenazi, A) *Letter to Nature*, **360**, 161
Okubo, A. *See under* Ebbesmeyer, C C., **360**, 405
Okubo, T. *See under* Kumar, K-N P., **358**, 48
Okuzaki, H. *See under* Osada, Y., **355**, 242
Old, I G. *See under* He, Y-Y., **359**, 431
Oldroyd, B P. *See under* Rinderer, T E., **360**, 305
Oliner, J D. Amplification of a gene encoding a p53-associated protein in human sarcomas, (*with* Kinzler, K W, Meltzer, P S, George, D L, Vogelstein, B) *Letter to Nature*, **358**, 80
Olive, K A. Astrophysical ^{7}Li as a product of Big Bang nucleosynthesis and galactic cosmic-ray spallation, (*with* Schramm, D N) *Letter to Nature*, **360**, 439
Oliver, J M. *See under* Margolis, B., **356**, 71
Oliver, R T D. CO_2 emissions, *Correspondence*, **359**, 9
Oliver, S G. The complete DNA sequence of yeast chromosome III, (*with* van der Aart, Q J M, Agostoni-Carbone, M L, Aigle, M, Alberghina, L, Alexandraki, D, Antoine, G, Anwar, R, Ballesta, J P G, Benit, P, Berben, G, Bergantino, E, Biteau, N, Bolle, P A, Bolotin-Fukuhara, M, Brown, A, Brown, A J P, Buhler, J M, Carcano, C, Carignani, G, Cederberg, H, Chanet, R, Contreras, R, Crouzet, M, Daignan-Fornier, B, Defoor, E, Delgado, M, Demolder, J, Doira, C, Dubois, E, Dujon, B, Dusterhoft, A, Erdmann, D, Esteban, M, Fabre, F, Fairhead, C, Faye, G, Feldmann, H, Fiers, W, Francingues-Gaillard, M C, Franco, L, Frontali, L, Fukuhara, H, Fuller, L J, Galland, P, Gent, M E, Gigot, D, Gilliquet, V, Glansdorff, N, Goffeau, A, Grenson, M, Grisanti, P, Grivell, L A, de Haan, M, Haasemann, M, Hatat, D, Hoenicka, J, Hegemann, J, Herbert, C J, Hilger, F, Hohmann, S, Hollenberg, C P, Huse, K, Iborra, F, Indge, K J, Isono, K, Jacq, C, Jacquet, M, James, C M, Jauniaux, J C, Jia, Y, Jimenez, A, Kelly, A, Kleinhans, U, Kreisl, P, Lanfranchi, G, Lewis, C, van der Linden, C G, Lucchini, G, Lutzenkirchen, K, Maat, M J, Mallet, L, Mannhaupt, G,

Martegani, E, Mathieu, A, Maurer, C T C, McConnell, D, McKee, R A, Messenguy, F, Mewes, H W, Molemans, F, Montague, M A, Muzi Falconi, M, Navas, L, Newlon, C S, Noone, D, Pallier, C, Panzeri, L, Pearson, B M, Perea, J, Philippsen, P, Pierard, A, Planta, R J, Plevani, P, Poetsch, B, Pohl, F, Purnelle, B, Ramezani Rad, M, Rasmussen, S W, Raynal, A, Remacha, M, Richterich, P, Roberts, A B, Rodriguez, F, Sanz, E, Schaaf-Gerstenschlager, I, Scherens, B, Schweitzer, B, Shu, Y, Skala, J, Slonimski, P P, Sor, F, Soustelle, C, Spiegelberg, R, Stateva, L I, Steensma, H Y, Steiner, S, Thierry, A, Thireos, G, Tzermia, M, Urrestarazu, L A, Valle, G, Vetter, I, van Vliet-Reedijk, J C, Voet, M, Volckaert, G, Vreken, P, Wang, H, Warmington, J R, von Wettstein, D, Wicksteed, B L, Wilson, C, Wurst, H, Xu, G, Yoshikawa, A, Zimmermann, F K, Sgouros, J G) *Article*, **357,** 38

Oliveri, F. *See under* Weber, S., **356,** 793

Olivos, I M. *See under* Attree, O., **358,** 239

Ollis, D. Marine pollution: Slick solution for oil spills, *News and views*, **358,** 453

Olson, E S. Amino acids from coal gasification?, *Scientific correspondence*, **357,** 202

Olson, J M. *See under* Marsh, R L., **357,** 411

Olszyna, K J. *See under* Simonaitis, R., **355,** 402

Oltersdorf, T. *See under* Citron, M., **360,** 672

Oltmans, S J. Seasonal cycle of surface ozone over the western North Atlantic, (*with* Levy II, H) *Letter to Nature*, **358,** 392
See under Hofmann, D J., **359,** 283

Ong, N P. *See under* Brawner, D A., **358,** 567

Oort, A H. *See under* Peixoto, J P., **360,** 220

Oppenheim, R W. Motor neuron diseases: High hopes of a trophic factor, *News and views*, **358,** 451
Brain-derived neurotrophic factor rescues developing avian motoneurons from cell death, (*with* Yin, Q-W, Prevette, D, Yan, Q) *Letter to Nature*, **360,** 755

Opschoor, J B. *Journal review by* O'Riordan, T., **359,** 460

Orci, L. *See under* Rothman, J E., **355,** 409

Oregioni, B. *See under* Readman, J W., **358,** 462

Oremland, R S. Importance of methane-oxidizing bacteria in the methane budget as revealed by the use of a specific inhibitor, (*with* Culbertson, C W) *Letter to Nature*, **356,** 421

Orgel, L E. Molecular replication, *Review article*, **358,** 203

Oring, L W. Cuckoldry through stored sperm in the sequentially polyandrous spotted sandpiper, (*with* Fleischer, R C, Reed, J M, Marsden, K E) *Letter to Nature*, **359,** 631

Orkisz, M. *See under* Wen, X., **355,** 426

Ormerod, R M. *See under* Moggridge, G D., **358,** 658

Ormsby, I. *See under* Shull, M M., **359,** 693

Orr, J C. Carbon dioxide disposal: The deep-six fix again, *News and views*, **357,** 283

Orth, G. *See under* Han, R., **356,** 66

Ortiz-Navarrete, V. *See under* Momburg, F., **360,** 174

Osada, Y. A polymer gel with electrically driven motility, (*with* Okuzaki, H, Hori, H) *Letter to Nature*, **355,** 242

Osborn, M. Prospects for women in science, *Correspondence*, **360,** 101

Osipchuk, Y. Cell-to-cell spread of calcium signals mediated by ATP receptors in mast cells, (*with* Cahalan, M) *Letter to Nature*, **359,** 241

Ossipyan, Y. *Journal review by* Barnard, T., **359,** 463

Ostaszewski, B L. *See under* Haass, C., **359,** 322

Otlewski, J. *See under* Habazettl, J., **359,** 885

Otto, B R. Blood substitutes and infection, (*with* Verweij-van Vught, A M J J, MacLaren, D M) *Scientific correspondence*, **358,** 23

Ottolenghi, M. *See under* Slama-Schwok, A., **355,** 240

Ougen, P. *See under* Chumakov, I., **359,** 380

Ouzounis, C. *See under* Bork, P., **358,** 287

Overduin, M. *See under* Waksman, G., **358,** 646

Overend, R P. *Journal review by* Betts, W B., **359,** 462

Overney, R M. Friction measurements on phase-separated thin films with a modified atomic force microscope, (*with* Meyer, E, Frommer, J, Brodbeck, D, Lüthi, R, Howald, L, Güntherodt, H-J, Fujihira, M, Takano, H, Gotoh, Y) *Letter to Nature*, **359,** 133

Overpeck, J T. **356,** 670

Ovitt, C. *See under* Wang, Z-Q., **360,** 741

Owen, F N. *See under* Sparks, W B., **355,** 804

Owen, M. *See under* Male, D., **358,** 632

Owen, T. Possible cometary origin of heavy noble gases in the atmospheres of Venus, Earth and Mars, (*with* Bar-Nun, A, Kleinfeld, I) *Letter to Nature*, **358,** 43

Owens, N J P. Episodic atmospheric nitrogen deposition to oligotrophic oceans, (*with* Galloway, J N, Duce, R A) *Letter to Nature*, **357,** 397

Özcelik, T. *See under* Suter, U., **356,** 241

Pääbo, S. *See under* Höss, M., **359,** 199

Paasinen, A. *See under* Auvinen, M., **360,** 355

Pace, J. *See under* Galán, J E., **357,** 588

Pacheco, J F. Changes in frequency-size relationship from small to large earthquakes, (*with* Scholz, C H, Sykes, L R) *Letter to Nature*, **355,** 71

Paciesas, W S. *See under* Bhat, P N., **359,** 217

Pacini, F. Italian science, (*with* Boella, G, Bussoletti, E, Dobrowolny, M, Vetrella, S) *Correspondence*, **359,** 10

Paciesas, W S. *See under* Meegan, C A., **355,** 143

Paczynski, B. Estimating redshifts for gamma-ray bursts, *Letter to Nature*, **355,** 521

Paddle, R N. Last resting place of a thylacine, *Scientific correspondence*, **360,** 215

Pagel, M. *See under* Pomiankowski, A., **356,** 293

Paige, C J. *See under* Cumano, A., **356,** 612
See under Molina, T J., **357,** 161

Paige, D A. The thermal stability of near-surface ground ice on Mars, *Letter to Nature*, **356,** 43

Pain, R. Protein folding: Further up the kinetic pathway, *News and views*, **356,** 664

Pain, R H. Proteins: Folding in the egg white, *News and views*, **358,** 278

Paine, R T. Food-web analysis through field measurement of per capita interaction strength, *Letter to Nature*, **355,** 73

Pakula, A. Transmembrane signalling: Pivots or pistons?, (*with* Simon, M) *News and views*, **355,** 496

Palabrica, T. Leukocyte accumulation promoting fibrin deposition is mediated in vivo by P-selectin on adherent platelets, (*with* Lobb, R, Furie, B C, Aronovitz, M, Benjamin, C, Hsu, Y-M, Sajer, S A, Furie, B) *Letter to Nature*, **359,** 848

Palacios, M J. *See under* Joshi, H C., **356,** 80

Palenik, B. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes, (*with* Haselkorn, R) *Letter to Nature*, **355,** 265

Pallen, C J. *See under* Zheng, X M., **359,** 336

Pallier, C. *See under* Oliver, S G., **357,** 38

Pallister, J S. A basalt trigger for the 1991 eruptions of Pinatubo volcano?, (*with* Hoblitt, R P, Reyes, A G) *Letter to Nature*, **356,** 426

Palma, B. *See under* Ehleringer, J R., **359,** 316

Palmer, D. **357,** 453
360, 426

Palumbi, S R. *See under* Martin, A P., **357,** 153

Palyha, O C. *See under* Thornberry, N A., **356,** 768

Pan, T. A small metalloribozyme with a two-step mechanism, (*with* Uhlenbeck, O C) *Article*, **358,** 560

Panayotou, G. *See under* Booker, G W., **358,** 684

Pandis, S. *See under* Sievering, H., **360,** 571

Pang, L S K. *See under* Wilson, M A., **355,** 117
See under Wilson, M A., **355,** 117

Pant, N. *See under* Waksman, G., **358,** 646

Panzeri, L. *See under* Oliver, S G., **357,** 38

Paoletti, P. Air pollution and health, (*with* Marchesi, E, Velona, F, Donato, L) *Correspondence*, **355,** 290

Paolini, M. Healthy broccoli?, (*with* Legator, M S) *Scientific correspondence*, **357,** 448

Papa, G. *See under* Baccarani, M., **356,** 188

Pappas, P G. *See under* Gao, F., **358,** 495

Pardi, A. *See under* Nikonowicz, E P., **355,** 184

Parekh, R. *See under* Edge, C., **358,** 693

Parent, S A. *See under* Foor, F., **360,** 682

Paresce, F. Possible cataclysmic variable in the core of the globular cluster 47 Tucanae, (*with* De Marchi, G, Ferraro, F R) *Letter to Nature*, **360,** 46

Parge, H E. *See under* Getzoff, E D., **358,** 347

Parham, P. Chagas' disease: Defence cuts begin to bite, *News and views*, **356,** 291
See under Belich, M P., **357,** 326
CD8 and CD4: The box and the rod, *News and views*, **357,** 538
Antigen presentation: Flying the first class flag, *News and views*, **357,** 193
See under Esser, U., **359,** 19
Immunology: Deconstructing the MHC, *News and views*, **360,** 300

Parikh, J K. IPCC strategies unfair to the South, *Commentary*, **360,** 507

Park, J T. *See under* RayChaudhuri, D., **359,** 251

Park, S. *See under* Franzoso, G., **359,** 339

Parker, G A. *See under* Vollrath, F., **360,** 156
Evolutionary biology: Snakes and female sexuality, *News and views*, **355,** 395

Parker, J R. Not by numbers, *Correspondence*, **357,** 355

Parker, P J. *See under* Camps, M., **360,** 684

Parmentier, M. Expression of members of the putative olfactory receptor gene family in mammalian germ cells, (*with* Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) *Letter to Nature*, **355,** 453

Parnes, J R. *See under* Seong, R H., **356,** 718
See under Wheeler, C J., **357,** 247

Parslow, T G. *See under* Amiri, P., **356,** 604

Partridge, L. Evolutionary biology: What the sperm count costs, (*with* Harvey, P H) *News and views*, **360,** 415

Pasachoff, J M. *Book review by* Silk, J., **355,** 407

Pascali, V L. *See under* Fiori, A., **356,** 471

Paschal, B M. *See under* Holzbaur, E L F., **360,** 695

Pascual, R. First discovery of monotremes in South America, (*with* Archer, M, Jaureguizar, E O, Prado, J L, Godthelp, H, Hand, S J) *Letter to Nature*, **356,** 704

Paslick, C R. *See under* Halliday, A N., **359,** 623

Pasquaré, G. *See under* Borgia, A., **357,** 231

Passa, Ph. *See under* Froguel, Ph., **356,** 162
See under Vionnet, N., **356,** 721
See under Froguel, Ph., **357,** 607

Passing, G. *See under* Riedel, R., **355,** 714

Pasteur, G. Not entirely a backwater, *Correspondence*, **359,** 10

Patel, C K N. AT&T research, *Correspondence*, **358,** 705

Patel, N H. Changing role of *even-skipped* during the evolution of insect pattern formation, (*with* Ball, E E, Goodman, C S) *Letter to Nature*, **357,** 339

Paterne, M. *See under* Duplessy, J C., **358,** 485

Paterson, Y. Mapping antibody binding sites on protein antigens, *Product review*, **356,** 456

Patrick, A W. *See under* Williams, G., **359,** 355

Patterson, C. *Book review of* Thomas Henry Huxley: Communicating for science (*by* Jensen, J V) **355,** 782

Patterson, D. *See under* Chumakov, I., **359,** 380

Patton, J G. *See under* Zamore, P D., **355,** 609

Paul, A V. *See under* Molla, A., **356,** 255

Paul, J. *See under* Mirabel, I F., **358,** 215

Paul, W E. Cytokines: Poking holes in the network, *News and views*, **357,** 16

Pauling, L. New dimension for Mendeleev, *Scientific correspondence*, **357,** 26

Paulmichl, M. New mammalian chloride channel identified by expression cloning, (*with* Li, Y, Wickman, K, Ackerman, M, Peralta, E, Clapham, D) *Letter to Nature*, **356,** 238

Paulus, W J. Bulk synthesis and selective exchange of strontium ions in $Na_4Mg_4Al_3Si_9O_{26}F$, mica, (*with* Komarneni, S, Roy, R) *Letter to Nature*, **357,** 571

Pauptit, R. *See under* Musacchio, A., **359,** 851

Pauptit, R A. *See under* Cowan, S W., **358,** 727

Pavlath, G K. *See under* Gussoni, E., **356,** 435

Pawlowski, S. *See under* Shull, M M., **359,** 693

Pawson, T. Cell signalling: Conviction by genetics, *News and views*, **356,** 285
See under Rozakis-Adcock, M., **360,** 689

Payne, C C. *Journal review by* Sunderland, K., **359,** 450

Peacock, J. Plant biology: Twenty-first century crops, *News and views*, **357,** 358
Cosmology: Fresh light on dark ages, *News and views*, **355,** 203

Pearce, J. Geochemistry: An element of recycling, *News and views*, **360,** 629

Pearce, N J G. *See under* Fuge, R., **357,** 369

Pearce, T H. *See under* Risk, M J., **358,** 572

Pearson, B M. *See under* Oliver, S G., **357,** 38

Pearson, D. Armchair biodiversity, (*with* Shaw, S) *Correspondence*, **360,** 291

Pearson, G W. *Book review by* Cox, F E G. **359,** 114

Pease, R. Apolipoprotein B intermediates: Reply, (*with* Harrison, G, Leiper, J, Scott, J) *Scientific correspondence*, **356,** 115
C_{60} structure brought into view, *News and views*, **356,** 383
Herschel and hypo, *News and views*, **357,** 22
A long shot at the Kuiper belt, *News and views*, **359,** 673
Flowering inferno, *News and views*, **359,** 776
Fashioned by fire, *News and views*, **357,** 115
Grave guardians with a difference, *News and views*, **358,** 711
Pulsars to star in forthcoming UK music festival, *News*, **360,** 96
Decline and fall of marine snow, *News and views*, **359,** 102
Soft option for pigment analysis, *News and views*, **359,** 367
Venus night lights, *News and views*, **359,** 481
Nuclear age reaches half century, *News and views*, **360,** 303
See under Abbott, A., **360,** 400
Industrial heritage celebrated in art, *News and views*, **355,** 498
Black hole is M87's bright spot, *News and views*, **355,** 399
Triple helix in a trice, *News and views*, **355,** 677

Peberdy, E. *See under* de Wit, M J., **357,** 553

Pedersen, S. *See under* Potter, E D., **355,** 66

Pederson, T. NIH patent rights, *Correspondence*, **358,** 617

Peebles, P J E. Big Bang contd..: reply, (*with* Turner, E C, Schramm, D N, Kron, R G) *Scientific correspondence*, **357,** 288

Peel, D. Palaeoclimatology: Merely the tip of the ice core, *News and views*, **359,** 274

Pegrum, C. High-temperature superconductivity: Natural Josephson junctions, *News and views*, **358,** 193

Pehl, M. *See under* Rothe, M., **359,** 156

Peierls, R. *Book review of* British scientists and the Manhattan Project: The Los Alamos years (*by* Szasz, F M) **357,** 290
Book review of The Los Alamos primer: The first lectures on how to build an atom bomb (*by* Serber, R) **357,** 290

Peixoto, J P. *Book review by* Wallace, J M. **360,** 220

Pelegrini, O. *See under* Simon, M-N., **356,** 171

Pelicci, G. *See under* Rozakis-Adcock, M., **360,** 689

Pelicci, P G. *See under* Rozakis-Adcock, M., **360,** 689

Pemberton, S G. *Journal review by* Yochelson, E L., **359,** 452

Pendleton, G N. *See under* Meegan, C A., **355,** 143

Peng, C-K. Long-range correlations in nucleotide sequences, (*with* Buldyrev, S V, Goldberger, A L, Havlin, S, Sciortino, F, Simons, M, Stanley, H E) *Letter to Nature*, **356,** 168

Peng, T-H. *See under* Broecker, W S., **356,** 587

Penkett, S A. *See under* Ayers, G P., **360,** 446

Penner, R. *See under* Hoth, M., **355,** 353

Pennycuick, C. *Book review by* McMahon, T A. **358,** 294

Pepin, M-C. Impaired type II glucocorticoid-receptor function in mice bearing antisense RNA transgene, (*with* Pothier, F, Barden, N) *Letter to Nature*, **355,** 725

Pera, M. *Book review by* Hackmann, W D. **356,** 26

Peralta, E. *See under* Paulmichl, M., **356,** 238

Percival, J. *See under* Mareschal, M., **357,** 674

Percival-Smith, A. *See under* Fitzpatrick, V D., **356,** 610

Perea, J. *See under* Oliver, S G., **357,** 38

Perera, F P. Molecular and genetic damage in humans from environmental pollution in Poland, (*with* Hemminki, K, Gryzbowska, E, Motykiewicz, G, Michalska, J, Santella, R M, Young, T-L, Dickey, C, Brandt-Rauf, P, DeVivo, I, Blanner, W, Tsai, W-Y, Chorazy, M) *Letter to Nature*, **360,** 256

Perez, D E. *See under* Johnson, N A., **358,** 751

Perkin, D. British academic morale and pay, *Correspondence*,

356, 280
Perkins, W T. *See under* Fuge, R., **357,** 369
Perlman, R L. *See under* Artalejo, C R., **358,** 63
Pernutt, M A. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Perona, G. *See under* Baccarani, M., **356,** 188
Peroutka, S J. *See under* Oksenberg, D., **360,** 161
Perret, J. *See under* Parmentier, M., **355,** 453
Perrins, C M. *Book review of* The balance of nature? Ecological issues in the conservation of species and communities (*by* Pimm, S L) **357,** 124
Perry, A H. *Book review of* Natural hazards (*by* Bryant, E A) **356,** 119
Perry, C H. *See under* Bryant, D A., **356,** 582
See under Bryant, D A., **359,** 23
Persic, M. *See under* Sciama, D W., **358,** 718
Persico, F. Academic standards in Italy, *Correspondence,* **358,** 364
Pertsov, A V. *See under* Davidenko, J M., **355,** 349
Peruiz, M. *Book review by* Blundell, T., **360,** 218
Peruiz, M F. Protein function below 220 K, *Scientific correspondence,* **358,** 548
Book review of Chance and design: Reminiscences of science in peace and war (*by* Hodgkin, A) **359,** 113
Peschle, C. *See under* Malicki, J., **358,** 345
Peter, M. *See under* Delattre, O., **359,** 162
Peters, K G. Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca^{2+} flux but not mitogenesis, (*with* Marie, J, Wilson, E, Ives, H E, Escobedo, J, Del Rosario, M, Mirda, D, Williams, L T) *Letter to Nature,* **358,** 678
Petersdorf, R G. *Book review of* The crisis in clinical research: Over-coming institutional obstacles (*by* Ahrens, E H Jr) **358,** 722
Petersen, C W. **357,** 551
Petersen, K S. Clams before Columbus?, (*with* Rasmussen, K L, Heinemeier, J, Rud, N) *Scientific correspondence,* **359,** 679
Peterson, C. *See under* Legerski, R., **359,** 70
See under Legerski, R., **360,** 610
Peterson, M. Antigen presentation enhanced by the alternatively spliced invariant chain gene product p41, (*with* Miller, J) *Letter to Nature,* **357,** 596
Peterson, M G. Transcription: The tell-tail trigger, (*with* Tjian, R) *News and views,* **358,** 620
Petit-Maire, N. *See under* Adams, J M., **355,** 214
Peto, R. Statistics of chronic disease control, *Commentary,* **356,** 557
Petrasso, R D. **355,** 29
Petroski, H. *Book review of* Flying buttresses, entropy, and O-rings: The world of an engineer (*by* Adams, J L) **356,** 488
Petsko, G A. *See under* Rasmussen, B F., **357,** 423
Signal transduction: Fishing in Src-infested waters, *News and views,* **358,** 625
359, 596
Book review of Protein architecture: A practical approach (*by* Lesk, A M) **359,** 596
Pettersson, B. *See under* Nilsson, L A., **360,** 666
Pettersson, G. *See under* Hjerten, S., **356,** 810
Petzl-Erler, M L. *See under* Belich, M P., **357,** 326
Pfahl, M. *See under* Zhang, X-k., **358,** 587
See under Zhang, X-k., **355,** 441
Pfanner, N. *See under* Söllner, T., **355,** 84
Pfeiffer, W C. *See under* Nriagu, J O., **356,** 389
Pfister, K K. *See under* Holzbaur, E L F., **360,** 695
Pflaumann, U. *See under* Eglinton, G., **356,** 423
Philippe, M. *See under* Sawin, K E., **359,** 540
Philippsen, P. *See under* Oliver, S G., **357,** 38
Philipson, L. A polarity in European research, *Commentary,* **360,** 102
Phillips, C A. *See under* Spolsky, C M., **356,** 706
Phillips, G J. The *E. coli ffh* gene is necessary for viability and efficient protein export, (*with* Silhavy, T J) *Letter to Nature,* **359,** 744
Phillips, I R. *Journal review of* Pharmacogenetics, (*Edited by* Idle, J R, Gonzalez, F J, Kato, R) **359,** 444
Phillips, J A. Electron density fluctuations in the local interstellar bubble, (*with* Clegg, A W) *Letter to Nature,* **360,** 137
Phillips, J B. Behavioural evidence for use of a light-dependent magnetoreception mechanism by a vertebrate, (*with* Borland, S C) *Letter to Nature,* **359,** 142
Phillips, R W. Freedom to explore, *Correspondence,* **360,** 404
Phillips, S E V. *See under* Böckkei, Z., **360,** 186
See under Somers, W S., **359,** 387
See under He, Y-Y., **359,** 431
Phillips, W R. Nuclear physics: Invisible radioactivity, *News and views,* **360,** 299
Phinney, E S. High-energy astronomy: The big accelerator in the sky, *News and views,* **358,** 189
See under Kulkarni, S R., **359,** 300
Piazzesi, G. *See under* Irving, M., **357,** 156
See under Irving, M., **357,** 704
See under Lombardi, V., **355,** 638
Pickford, M. *See under* Conroy, G C., **356,** 144
Pierard, A. *See under* Oliver, S G., **357,** 38
Pierschbacher, M D. *See under* Border, W A., **360,** 361
Pirola, V. Circumstellar disks deduced from sub-arcsecond polarization observations of two young stars, (*with* Scaltriti, F, Coyne, G V) *Letter to Nature,* **359,** 399
Pillai, S. *See under* Krishna, S., **357,** 164
Piller, C. . *Book review by* Aldhous, P. **355,** 124
Pimm, S L. *Book review by* Perrins, C M, **357,** 124
Ecology: Frog ponds and ocean iron, *News and views,* **360,** 298
Pinchera, A. *See under* Braverstock, K., **359,** 21
Pinches, R. *See under* Roberts, D J., **357,** 689
Pindak, R. *See under* Geer, R., **355,** 152
Pines, A. *See under* Farnan, I., **358,** 31
Pines, G. Cloning and expression of a rat brain L-glutamate transporter, (*with* Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) *Letter to Nature,* **360,** 464
Errata: Cloning and expression of a rat brain L-glutamate transporter, (*with* Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) *Letter to Nature,* **360,** 768
Pinkau, K. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Piñol-Roma, S. Shuttling of pre-mRNA binding proteins between nucleus and cytoplasm, (*with* Dreyfuss, G) *Letter to Nature,* **355,** 730
Piot, P. . *Book review by* Wilkins, H A. **356,** 393
Pippard, B. *Book review of* Understanding the present: Science and the soul of modern man (*by* Appleyard, B) **357,** 29
Pippig, S. *See under* Bauer, P H., **358,** 73
Pirie, N W. *Book review of* Out of the Earth: Civilization and the life of the soil (*by* Hillel, D) **357,** 373
Pitcher, T J. *Journal review by* Blaxter, J H S., **359,** 451
Pitts, J E. Crystallization by centrifugation (Reply) . *Scientific correspondence,* **356,** 392
Protein crystals go bang, *Scientific correspondence,* **360,** 24
Crystallization by centrifugation, *Scientific correspondence,* **355,** 117
Planta, R J. *See under* Oliver, S G., **357,** 38
Plate, K H. Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo, (*with* Breier, G, Weich, H A, Risau, W) *Letter to Nature,* **359,** 845
Platt, T. Nutrient control of phytoplankton photosynthesis in the Western North Atlantic, (*with* Sathyendranath, S, Ulloa, O, Harrison, W G, Hoepffner, N, Goes, J) *Letter to Nature,* **356,** 229
Pletcher, J. *See under* Swaminathan, S., **359,** 801
Plevani, P. *See under* Oliver, S G., **357,** 38
Pliego Rivero, F B. *See under* Tiveron, M-C., **355,** 745
Plougastel, B. *See under* Delattre, O., **359,** 162
Plummer, M L. *See under* Mann, C C., **357,** 651
Plymsolve. . *Book review by* Varney, M. **355,** 122
Pocchiari, M. *See under* Xi, Y G., **356,** 598
Pochon, S. *See under* Aubry, J-P., **358,** 505
Podell, H L Real-life failure, *Scientific correspondence,* **355,** 683
Podjarny, A. *See under* Rondeau, J-M., **355,** 469
Podosek, F A. *See under* Brannon, J C., **356,** 509
Podsiadlowski, P. Napoleon's hat: Reply, (*with* Fabian, A C, Stevens, I R) *Scientific correspondence,* **356,** 202
Star formation and the origin of stellar masses, (*with* Price, N M) *Letter to Nature,* **359,** 305
Poetsch, B. *See under* Oliver, S G., **357,** 38
Pogson, G H. *See under* Zouros, E., **359,** 412
Pohl, F. *See under* Oliver, S G., **357,** 38
Reality of sequencing costs, *Correspondence,* **357,** 106
Poirier, O. *See under* Cambien, F., **359,** 641
Pokrovsky, V. Russian research may be put on lean diet, *News,* **357,** 530
Problems delay emergence of Moscow research centre, *News,* **358,** 270
Russian academy vote excludes Jews, *News,* **357,** 617
Pokrowsky, V. New foundation to fund Russian biologists, (*with* Mervis, J) *News,* **357,** 431
Internal politics block proposal by Russians to create foundation for basic research, *News,* **358,** 9
Russian academy institutes told to set priorities, *News,* **360,** 198
Russian academy makes deal with US company on journals, *News,* **359,** 176
Russians reject plan for elite research centres, *News,* **359,** 468
Poljak, R J. *See under* Juy, M., **357,** 89
Polkinghorne, J. *Book review of* The unnatural nature of science: Why science does not make (common) sense (*by* Wolpert, L) **360,** 378
Pollard, D. *See under* Bonan, G B., **359,** 716
Pollard, T D. Cellular biophysics: Proteins as machines, *News and views,* **355,** 17
Polverino de Laureto, P. *See under* Schiavo, G., **359,** 832
Pomiankowski, A. Sexual selection and MHC genes, (*with* Pagel, M) *Scientific correspondence,* **356,** 293
See under Hurst, L D., **359,** 781
Pongais, P J. *See under* Ancel, A., **360,** 336
Pongracic, H. *See under* Chapman, S., **359,** 207
Ponomarev, I Y. *See under* Chen, H., **357,** 391
Poo, M-m. *See under* Dan, Y., **359,** 733
Pook, S. *See under* Chumakov, I., **359,** 380
Poole, P H. Phase behaviour of metastable water, (*with* Sciortino, F, Essmann, U, Stanley, H E) *Letter to Nature,* **360,** 324
Pope, M T. Anion guests in heteropolyanions?, *Scientific correspondence,* **355,** 27
Popovic, M. Popovic says OSI is wrong, *Correspondence,* **358,** 533
Popper, A N. . *Book review by* Wilczynski, W. **358,** 202
Popper, K. *Book review by* Ziman, J, **360,** 425
Porcelli, S. CD1b restricts the response of human CD4[8] T lymphocytes to a microbial antigen, (*with* Morita, C T, Brenner, M B) *Letter to Nature,* **360,** 593
Porta, C. *See under* Wang, G., **355,** 275
Porteous, D J. *See under* Dorin, J R., **359,** 211
Porter, D G. Ethical scores for animal experiments, *Commentary,* **356,** 101
Porter, R. *Book review of* Rhubarb: The wondrous drug (*by* Foust, C M) **357,** 121
Book review of The diary of William Harvey: The imaginary journal of the physician who revolutionized medicine (*by* Hamburger, J) **360,** 382
See under Bynum, W F., **355,** 490
Portnoy, D A. Cell biology: Devious devices of *Salmonella,* (*with* Smith, G A) *News and views,* **357,** 536
Posnett, D N. *See under* Laurence, J., **358,** 255
Postan, M. *See under* Tarleton, R L., **356,** 338
Pothier, F. *See under* Pepin, M-C., **355,** 725
Potts, H. *See under* Yapp, C J., **355,** 342
Potrykus, I. Micro-targeting of microprojectiles to target areas in the micrometre range, *Product review,* **355,** 568
Potter, E D. Femtosecond laser control of a chemical reaction, (*with* Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) *Letter to Nature,* **355,** 66
Potter, M. Kiwi's egg size and moa, (*with* McLennan, J) *Scientific correspondence,* **358,** 548
Potts, R. . *Book review by* Palmer, D. **360,** 426
Potts, W K. Sexual selection and MHC genes: Reply, (*with* Manning, C J, Wakeland, E K) *Scientific correspondence,* **356,** 294
See under Manning, C J., **360,** 581
Poulain, B. *See under* Schiavo, G., **359,** 832
Pounds, K A. *See under* Lloyd, H M., **356,** 222
See under Nandra, K., **359,** 215
Poundstone, W. *Book review by* Shubik, M. **356,** 637
Powell, G L. *See under* Bryant, D A., **356,** 582
See under Bryant, D A., **359,** 23
Powell, S M. *APC* mutations occur early during colorectal tumorigenesis, (*with* Zilz, N, Beazer-Barclay, Y, Bryan, T M, Hamilton, S R, Thibodeau, S N, Vogelstein, B, Kinzler, K W) *Letter to Nature,* **359,** 235
Powers, M. *See under* Lifton, R P., **355,** 262
Powis, S H. *See under* Kelly, A., **355,** 641
Powis, S J. Effect of polymorphism of an MHC-linked transporter on the peptides assembled in a class I molecule, (*with* Deverson, E V, Coadwell, W J, Ciruela, A, Huskisson, N S, Smith, H, Butcher, G W, Howard, J C) *Article,* **357,** 211
See under Momburg, F., **360,** 174
Pozzan, T. *See under* Rizzuto, R., **358,** 325; *Correction,* **360,** 768
Pozzi, G. *See under* Harada, K., **360,** 51
Prabhu, V V. Correlations in intronless DNA, (*with* Claverie, J M) *Scientific correspondence,* **359,** 782
Prado, J L. *See under* Pascual, R., **356,** 704
Prahl, F G. *See under* Lyle, M W., **355,** 812
Prakash, L. *See under* Bankmann, M., **355,** 555
See under Sung, P., **355,** 743
Prakash, S. *See under* Bankmann, M., **355,** 555
See under Sung, P., **355,** 743
Prater, C A. *See under* Weintraub, S J., **358,** 259
Prather, M J. More rapid polar ozone depletion through the reaction of HOCl with HCl on polar stratospheric clouds, *Letter to Nature,* **355,** 534
Pravdic, V. Plight of Bosnia and Croatia, *Correspondence,* **359,** 571
Predehl, P. *See under* Lloyd, H M., **356,** 222
Prehn, S. *See under* Görlich, D., **357,** 47
See under Hartmann, E., **358,** 198
Prell, W L. Sensitivity of the Indian monsoon to forcing parameters and implications for its evolution, (*with* Kutzbach, J E) *Article,* **360,** 647
Prentice, I C. Mediterranean vegetation, lake levels and palaeoclimate at the Last Glacial Maximum, (*with* Guiot, J, Harrison, S P) *Letter to Nature,* **360,** 658
Preston-Hurlburt, P. *See under* Janeway, C A Jr., **357,** 120
See under Rudensky, A Yu., **359,** 429
Prevette, D. *See under* Oppenheim, R W., **360,** 755
Prevost, M C. *See under* Zychlinsky, A., **358,** 167
Price, H. *Book review of* The mind of God: The scientific basis for a rational world (*by* Davies, P) **356,** 632
Book review of The matter myth: Dramatic discoveries that challenge our understanding of physical reality (*by* Davies, P) **356,** 632
Book review of The mind's sky: Human intelligence in a cosmic context (*by* Ferris, T) **356,** 632
Book review of The capricious cosmos: Universe beyond law (*by* Rosen, J) **356,** 632
Price, M V. *See under* Waser, N M., **356,** 667
Price, N M. *See under* Podsiadlowski, P., **359,** 305
Price, O F. *See under* Grenfell, B T., **355,** 823
Price, T. *See under* Richman, A D., **357,** 176
See under Richman, A D., **355,** 817
Prieto, M. *See under* Putnis, A., **358,** 743
Primakoff, P. *See under* Blobel, C P., **356,** 248
Primig, M. Anatomy of a transcription factor important for the Start of the cell cycle in *Saccharomyces cerevisiae,* (*with* Sockanathan, S, Auer, H, Nasmyth, K) *Letter to Nature,* **358,** 593
Pringle, J. *See under* Chenevert, J., **356,** 77
Pringle, J R. . *Book review by* Wilkie, D. **357,** 206

Prins, B. *See under* Young, J R., **356,** 516
Pritchard, R S. *See under* Lyne, A G., **359,** 706
Prives, C. *See under* Farmer, G., **358,** 83
Probert, R. *Journal review of* Seed science research. (*Edited by* Black, M) **359,** 450
Proctor, M R E. *See under* Galloway, D J., **356,** 691
Proetzel, G. *See under* Shull, M M., **359,** 693
Prokhorov, A M. *Journal review by* Blow, K., **359,** 454
Prosser, J. *See under* Hill, R E., **355,** 750
Prota, G. *Journal review by* Cheresh, D A., **359,** 442
Proussevitch, A A. *See under* Sahagian, D L., **359,** 485
Prusiner, S B. *See under* Büeler, H., **356,** 577
Prydz, H. *See under* Lopez, R., **355,** 211
Prydz, K. *See under* Sandvig, K., **358,** 510
Prywes, R. *See under* Farmer, G., **358,** 83
Psenner, R. Climate-driven pH control of remote alpine lakes and effects of acid deposition. (*with* Schmidt, R) *Letter to Nature,* **356,** 781
Ptashne, M. *See under* Marmorstein, R., **356,** 408
Pugeat, M. *See under* Dingeon, B., **358,** 447
Pullman, W E. Cloning and characterization of a gene that regulates cell adhesion. (*with* Bodmer, W F) *Letter to Nature,* **356,** 529
Punch, M. Detection of TeV photons from the active galaxy Markarian 421. (*with* Akerlof, C W, Cawley, M F, Chantell, M, Fegan, D J, Fennell, S, Gaidos, J A, Hagan, J, Hillas, A M, Jiang, Y, Kerrick, A D, Lamb, R C, Lawrence, M A, Lewis, D A, Meyer, D I, Mohanty, G, O'Flaherty, K S, Reynolds, P T, Rovero, A C, Schubnell, M S, Sembroski, G, Weekes, T C, Whitaker, T, Wilson, C) *Letter to Nature,* **358,** 477
Purcell, S M. Photofat. (*with* Cannon, V S, Domingo, C R, Minsuk, S B) *Correspondence,* **360,** 404
Purdy, G M. Relationship between spreading rate and the seismic structure of mid-ocean ridges. (*with* Kong, L S L, Christeson, G L, Solomon, S C) *Letter to Nature,* **355,** 815
Purnell, M A. Blade-shaped conodont elements functioned as cutting teeth. (*with* von Bitter, P H) *Letter to Nature,* **359,** 629
Purnelle, B. *See under* Oliver, S G., **357,** 38
Purpura, D P. *See under* Bloom, F E., **358,** 184
Pusch, M. *See under* Thiemann, A., **356,** 57
See under Gründer, S., **360,** 759
Putney, S D. *See under* Emini, E A., **355,** 728
Putnis, A. Experimentally produced oscillatory zoning in the (Ba,Sr) SO_4 solid solution. (*with* Fernandez-Diaz, L, Prieto, M) *Letter to Nature,* **358,** 743
Puzicha, M. *See under* Bauer, P H., **358,** 73
Pye, J P. *See under* Cooke, B A., **355,** 61
Pyle, A M. RNA substrate binding site in the catalytic core of the *Tetrahymena* ribozyme. (*with* Murphy, F L, Cech, T R) *Article,* **358,** 123
Qiu, L. *See under* Sulston, J., **356,** 37
Quaite, F E. Action spectrum for DNA damage in alfalfa lowers predicted impact of ozone depletion. (*with* Sutherland, B M, Sutherland, J C) *Letter to Nature,* **358,** 576
Quercioli, F. *See under* Greco, V., **358,** 101
Querner, U. *See under* Berthold, P., **360,** 668
Quick, J E. *See under* Kelemen, P B., **358,** 635
Quinn, P J. How to give a galaxy a black eye. *News and views,* **360,** 418
Quinton, P M. Control of CFTR chloride conductance by ATP levels through non-hydrolytic binding. (*with* Reddy, M M) *Letter to Nature,* **360,** 79
Rabakonandrianina, E. *See under* Nilsson, L A., **360,** 666
Rabinovich, A. Israel: Science cements Chinese ties. *News,* **356,** 183
Rademacher, T. *See under* Edge, C., **358,** 693
Radford, S E. The folding of hen lysozyme involves partially structured intermediates and multiple pathways. (*with* Dobson, C M, Evans, P A) *Article,* **358,** 302
Radford, S J E. *See under* Solomon, P M., **356,** 318
Radick, R R. *See under* Lockwood, G W., **360,** 653
Radojevic, M. Absorption of flue gases by water. (*with* Tressider, D A) *Scientific correspondence,* **356,** 391
Disposal of SO_2 in sea water: Reply. *Scientific correspondence,* **357,** 547
Radwan, S. *See under* Sorkhoh, N., **359,** 109
Rafal, R D. *See under* Driver, J., **360,** 73
Raff, M. *Journal review by* Barnard, E A., **359,** 445
Raff, M C. Social controls on cell survival and cell death. *Review article,* **356,** 397
See under Bloom, F E., **358,** 184
Raghuram, T C. *See under* Bhat, R V., **360,** 505
Raine, A R C. *See under* Kraulis, P J., **356,** 448
Rainger, R. . *Book review by* Krishtalka, L. **355,** 405
Rajewsky, K. *See under* Kitamura, D., **356,** 154
Allelic exclusion model questioned. (*with* Ehlich, A, Müller W, Taki, S, Kitamura, D) *Scientific correspondence,* **359,** 371
Raju, N P. Rajiv Gandhi. *Correspondence,* **357,** 105
Raju, S M. *See under* Thornberry, N A., **356,** 768
Rakitzis, E T. Funding errors. *Correspondence,* **359,** 9
Ramachandran, V S. Filling in the blind spot. *Scientific correspondence,* **356,** 115
Ramadan, N. *See under* Foor, F., **360,** 682
Ramakrishnan, V. The structure of ribosomal protein S5 reveals sites of interaction with 16S rRNA. (*with* White, S W) *Letter to Nature,* **358,** 768
Ramanathan, V. Thermostat and global warming. (*with* Collins, W) *Scientific correspondence,* **357,** 649
Ramankutty, N. *See under* Schlesinger, M E., **360,** 330
Ramaswamy, V. Glaciation: Explosive start to last ice age. *News and views,* **359,** 14
Radiative forcing of climate from halocarbon-induced global stratospheric ozone loss. (*with* Schwarzkopf, M D, Shine, K P) *Letter to Nature,* **355,** 810
Ramezzni Rad, M. *See under* Oliver, S G., **357,** 38
Ramirez, A P. *See under* Rosscinsky, M J., **356,** 416
See under Kortan, A R., **360,** 566
See under Kortan, A R., **355,** 529
Ramirez, R. *See under* Lafon, M., **358,** 507
Rampino, M R. Volcanic winter and accelerated glaciation following the Toba super-eruption. (*with* Self, S) *Letter to Nature,* **359,** 50
See under Caldeira, K., **355,** 401
Randles, J. *Book review by* Gardner, M, **360,** 396
Raner Jr, G H. Einstein's beliefs. (*with* Lerner, L S) *Correspondence,* **358,** 102
Rao, A. *See under* Jain, J., **356,** 801
Raper, S C B. *See under* Wigley, T M L., **357,** 293
Rapoport, T A. *See under* Görlich, D., **357,** 47
See under Hartmann, E., **358,** 198
Rapp, U R. *See under* Kyriakis, J M., **358,** 417
Rasin, F A. An observational test for the existence of a planetary system orbiting PSR1257+12. (*with* Nicholson, P D, Shapiro, S L, Teukolsky, S A) *Letter to Nature,* **355,** 325
Rasmussen, B F. Crystalline ribonuclease A loses function below the dynamical transition at 220 K. (*with* Stock, A M, Ringe, D, Petsko, G A) *Letter to Nature,* **357,** 423
Rasmussen, K L. *See under* Petersen, K S., **359,** 679
Rasmussen, S W. *See under* Oliver, S G., **357,** 38
Rassow, J. *See under* Söllner, T., **355,** 84
Ratliff, F. *Book review by* Mollon, J D, **358,** 379
Ratliff, R. *See under* Kang, C H., **356,** 126
Raulet, D. *See under* Bix, M., **359,** 330
Raulet, D H. *See under* Harding, F A., **356,** 607
Immunology: A sense of something missing. *News and views,* **358,** 21
RayChaudhuri, D. *Escherichia coli* cell-division gene *ftsZ* encodes a novel GTP-binding protein. (*with* Park, J T) *Letter to Nature,* **359,** 251
Rayment, I. *See under* Griffith, J P., **355,** 652
Rayment, T. *See under* Moggridge, G D., **358,** 658
Raymo, M E. Tectonic forcing of late Cenozoic climate. (*with* Ruddiman, W F) *Review article,* **359,** 117
Raynal, A. *See under* Oliver, S G., **357,** 38
Rea, D K. *See under* Sloan, L C., **357,** 320
Read, A P. *See under* Tassabehji, M., **355,** 635
Read, C A. *See under* Evans, M R., **358,** 520
Read, J F. Cooling and freshening of the subpolar North Atlantic Ocean since the 1960s. (*with* Gould, W J) *Letter to Nature,* **360,** 55
Read, M. *See under* Hyde, J E., **360,** 541
Read, N D. *See under* Shacklock, P S., **358,** 753
Read, P L. *See under* Allen, M R., **359,** 679
See under Allen, M R., **355,** 686
Read, R J. *See under* Stein, P E., **355,** 748
Reader, S L. *See under* Kennedy, M J., **360,** 635
Readman, J W. Oil and combustion-product contamination of the Gulf marine environment following the war. (*with* Fowler, S W, Villeneuve, J-P, Cattini, C, Oregioni, B, Mee, L D) *Letter to Nature,* **358,** 662
Reardon, D M. *See under* Schofield, A E., **355,** 836
Reardon, S. *See under* McCarron, J G., **357,** 74
Reardon, W. *See under* Harley, H G., **355,** 545
Reay, P A. *See under* Jorgensen, J L., **355,** 224
Rebolo, R. *See under* Watson, R A., **357,** 660
See under Martin, E L., **358,** 129
Rechnitz, G A. . *Book review by* Malan, G. **358,** 200
Rector, E. *See under* Amiri, P., **356,** 604
Reddy, M M. *See under* Quinton, P M., **360,** 79
Redhead, M L G. Obituary: David Bohm (1917-1992) . *News and views,* **360,** 107
Redondo, T. *See under* Zuñiga, J M., **359,** 410
Reed, J M. *See under* Oring, L W., **359,** 631
Reed, R R. *See under* Federman, A D., **356,** 159
Rees, D A. *Journal review of* Glycobiology. (*Edited by* Hart, G W) **359,** 444
Rees, D C. *See under* Kim, J., **360,** 553
Reeve, H K. Queen activation of lazy workers in colonies of the eusocial naked mole-rat. *Letter to Nature,* **358,** 147
Social contracts in wasp societies. (*with* Nonacs, P) *Letter to Nature,* **359,** 823
Reeves, G. *See under* Beral, V., **359,** 680
Regis, E. *Book review of* Millikan's school: A history of the California Institute of Technology (*by* Goodstein, J R) **356,** 629
Book review of Odyssey: The authorised biography of Arthur C Clarke (*by* McAleer, N) **360,** 373
Book review of How the world was one: Beyond the global village (*by* Clarke, A C) **360,** 373
Regnier, F E. *See under* Afeyan, N B., **358,** 603
Regueiro, M N. Crushing C_{60} to diamond at room temperature. (*with* Monceau, P, Hodeau, J-L.) *Letter to Nature,* **355,** 237
Reichhardt, T. Superconductivity devices are headed into space. *News,* **358,** 612
NASA ponders "faster, cheaper" way to send scientific mission to Pluto. *News,* **358,** 701
Shake-up planned for Galileo as it steals quietly past Earth and on to Jupiter. *News,* **360,** 501
Reid, P A. *See under* Lanzavecchia, A., **357,** 249
Reid, R C. Spatial structure of cone inputs to receptive fields in primate lateral geniculate nucleus. (*with* Shapley, R M) *Letter to Nature,* **356,** 716
Reik, W. Cancer genetics: Imprinting in leukaemia. *News and views,* **359,** 362
Reilly, A J. *See under* Wildon, D C., **360,** 62
Reimers, D. The O/C abundance ratio in absorbing gas clouds at high redshift. (*with* Vogel, S, Hagen, H-J, Engels, D, Groote, D, Wamsteker, W, Clavel, J, Rosa, M R) *Letter to Nature,* **360,** 561
Reinberg, D. *See under* Lu, H., **358,** 641
Reinhold-Hurek, B. Self-splicing introns in tRNA genes of widely divergent bacteria. (*with* Shub, D A) *Letter to Nature,* **357,** 173
Reiter, C. *See under* Davis, S J., **358,** 76
Relman, A S. *Book review of* Health in the headlines: The stories behind the stories (*by* Klaidman, S) **356,** 754
Remacha, M. *See under* Oliver, S G., **357,** 38
Remy, W. *See under* Taylor, T N., **357,** 493
Renfree, M B. *See under* Foster, J W., **359,** 531
Renfrew, C. *Book review of* The flood from Heaven: Deciphering the Atlantis legend (*by* Zangger, E) **356,** 642
Renn, J. . *Book review by* Schwartz, J. **360,** 377
Renner, P. *See under* Manabe, T., **355,** 50
Resh, M D. *See under* Waksman, G., **358,** 646
Resnick, J L. Long-term proliferation of mouse primordial germ cells in culture. (*with* Bixler, L S, Cheng, L, Donovan, P J) *Letter to Nature,* **359,** 550
Reth, M. *See under* Wienands, J., **356,** 246
Reuer, Q. *See under* Molla, A., **356,** 255
Rexhausen, U. *See under* Kano, M., **356,** 601
Reyes, A G. *See under* Pallister, J S., **356,** 426
Reymann, J-M. *See under* Rondeau, J-M., **355,** 469
Reynolds, J. *Book review of* A skeptical biochemist (*by* Fruton, J S) **359,** 203
Reynolds, J E. *See under* Staveley-Smith, L., **355,** 147
Reynolds, J R. Spatial and temporal variability in the geochemistry of basalts from the East Pacific Rise. (*with* Langmuir, C H, Bender, J F, Kastens, K A, Ryan, W B F) *Article,* **359,** 493
Reynolds, P T. *See under* Punch, M., **358,** 477
Rhodes, F H T. Obituary: Lord Ashby (1904 - 1992) . *News and views,* **360,** 208
Ribas, J C. *See under* Fujimura, T., **359,** 746
Ribando, R K. *See under* Karlhofer, F M., **358,** 66
Riberdy, J M. HLA-DR molecules from an antigen-processing mutant cell line are associated with invariant chain peptides. (*with* Newcomb, J R, Surman, M J, Barbosa, J A, Cresswell, P) *Letter to Nature,* **360,** 474
Ricard, S. *See under* Cambien, F., **359,** 641
Ricard, Y. *See under* Spada, G., **360,** 452
Rice, J P. *See under* Durán, C A., **357,** 474
Rich, A. *See under* Kang, C H., **356,** 126
Rich, G M. *See under* Lifton, R P., **355,** 262
Richard, E A. Rhodopsin inactivation is a modulated process in *Limulus* photoreceptors. (*with* Lisman, J E) *Letter to Nature,* **356,** 336
Richards, A G. *See under* Cooke, B A., **355,** 61
Richards, G. *See under* Guild, G., **357,** 539
Richards, J F. . *Book review by* Rosenzweig, C. **355,** 781
Richards, M A. *See under* Christie, D M., **355,** 246
Large-scale mantle convection and the history of subduction. (*with* Engebretson, D C) *Letter to Nature,* **355,** 437
Richards, R J. *Book review by* Ridley, M. **357,** 203
Richardson, M A. Enhancing protein C interaction with thrombin results in a clot-activated anticoagulant. (*with* Gerlitz, B, Grinnell, B W) *Letter to Nature,* **360,** 261
Richer, H B. Low-mass stars in the spheroid of our Galaxy. (*with* Fahlman, G G) *Article,* **358,** 383
Richman, A D. Evolution of ecological differences in the Old World leaf warblers (Correction) . (*with* Price, T) *Letter to Nature,* **357,** 176
Evolution of ecological differences in the Old World leaf warblers. (*with* Price, T) *Letter to Nature,* **355,** 817
Richter, B. SLAC defended. *Correspondence,* **357,** 354
Richterich, P. *See under* Oliver, S G., **357,** 38
Rickinson, A B. *See under* Li, Q X., **356,** 347
Riddihough, G. Quicker reaction by design. *News and views,* **358,** 280
Developmental biology: Homing in on the homeobox. *News and views,* **357,** 643
Drug ring bust. *News and views,* **359,** 674
Lifting the lid on enzymatic breakdown of lipids. *News and views,* **359,** 107
Riding, R. Palaeoclimatology: The algal breath of life. *News and views,* **359,** 13
Ridley, M. *Book review of* The meaning of evolution: The morphological construction and ideological reconstruction of Darwin's theory (*by* Richards, R J) **357,** 203
Book review of The new anthropomorphism (*by* Kennedy, J S) **359,** 280
Rieber, E P. *See under* Davis, S J., **358,** 76
Riedel, R. Synthesis of dense silicon-based ceramics at low temperatures. (*with* Passing, G, Schönfelder, H, Brook, R J) *Letter to Nature,* **355,** 714
Rieseberg, L H. *See under* Fritsch, P., **359,** 633
Riethman, H. *See under* Chumakov, I., **359,** 380
Rigault, P. *See under* Chumakov, I., **359,** 380
Riley, B. *See under* Buxton, J., **355,** 547

Riley, P. *Journal review by* Cheresh, D A., **359,** 442
Rimmelzwaan, G. *See under* Nara, P., **360,** 215
Rind, D. Modelling the hydrological cycle in assessments of climate change. (*with* Rosenzweig, C, Goldberg, R) *Review article,* **358,** 119
Ice Ages: An uplifting experience. *News and views,* **360,** 414
Rinderer, T E. Evolution of bee dances. (*with* Oldroyd, B P, Sylvester, H A, Wongsiri, S, de Guzman, L I) *Scientific correspondence,* **360,** 305
Ringe, D. Enzymology: Proteases: to each his own. *News and views,* **356,** 748
See under Rasmussen, B F., **357,** 423
Rio, M. *See under* Boletzky, S V., **356,** 199
Rios, C B. *See under* Waksman, G., **358,** 646
Risau, W. *See under* Plate, K H., **359,** 845
Risk, M J. Interference imaging of daily growth bands in massive corals. (*with* Pearce, T H) *Letter to Nature,* **358,** 572
Rios, J. *See under* Tinsley, J M., **360,** 591
Ritson, D M. *Book review of* Teller's war: The top-secret story behind the Star Wars deception (*by* Broad, W J.) **356,** 627
Ritter, D. *See under* Amiri, P., **356,** 604
Rivera-Núñez, D. Armchair biodiversity. (*with* Obón-de-Castro, C) *Correspondence,* **360,** 291
Rivest, R L. Vortex air rings. *Scientific correspondence,* **356,** 199
Rizzuto, R. Rapid changes of mitochondrial Ca^{2+} revealed by specifically targeted recombinant aequorin. (*with* Simpson, A W M, Brini, M, Pozzan, T) *Letter to Nature,* **358,** 325; *Correction,* **360,** 768
Robaaus Maandag, E. *See under* Clarke, A R., **359,** 328
Robb, L J. Ages of altered granites adjoining the Witwatersrand Basin with implications for the origin of gold and uranium. (*with* Davis, D W, Kamo, S L, Meyer, F M) *Letter to Nature,* **357,** 677
Robbins, P D. *See under* Kim, S-J., **358,** 331
Robert, M. *See under* Dingeon, B., **358,** 447
Roberts, A B. *See under* Oliver, S G., **357,** 38
Roberts, B. *See under* Evans, D J., **355,** 230
Roberts, D J. Rapid switching to multiple antigenic and adhesive phenotypes in malaria. (*with* Craig, A G, Berendt, A R, Pinches, R, Nash, G, Marsh, K, Newbold, C I) *Letter to Nature,* **357,** 689
Roberts, K. Cell signalling: Potential awareness of plants. *News and views,* **360,** 14
Roberts, T M. Cell biology: A signal chain of events. *News and views,* **360,** 534
Robertson, D L. *See under* Urbach, E., **355,** 267
Robertson, J E. Thermal skin effect of the surface ocean and its implications for CO_2 uptake. (*with* Watson, A J) *Letter to Nature,* **358,** 738
Robertson, M. Alzheimer's disease and amyloid. *News and views,* **356,** 103
Robertson, S C. *See under* Waksman, G., **358,** 646
Robinson, A. Active galactic nuclei: Brilliance without black holes. *News and views,* **359,** 104
Robinson, D N. Of animals and men. *Correspondence,* **357,** 187
Robinson, P. *See under* Ancel, A., **360,** 336
Robson, W L M. *See under* Leung, A K C., **355,** 760
Roche, A. *See under* Tinsley, J M., **360,** 591
Rochette, P. *See under* Langereis, C G., **358,** 226
Rock, K L. *See under* Goldberg, A L., **357,** 375
Röcken, M. Infection breaks T-cell tolerance. (*with* Urban, J F, Shevach, E M) *Letter to Nature,* **359,** 79
Rodenberger, D C. Excited-state enhancement of optical nonlinearities in linear conjugated molecules. (*with* Heflin, J R, Garito, A F) *Letter to Nature,* **359,** 309
Rodbe, H. *See under* Langner, J., **359,** 712
Rodríguez, F. *See under* Oliver, S G., **357,** 38
Rodríguez, I F. *See under* Mirabel, I F., **358,** 215
Roecker, S W. *See under* Makeyeva, L I., **358,** 144
Roeder, R G. *See under* Nikolov, D B., **360,** 40
Roellig, T L. *See under* Lindsey, C., **358,** 308
Roering, C. *See under* de Wit, M J., **357,** 553
Rogers, C E. *Journal review by* Sunderland, K., **359,** 450
Rogers, J. *See under* Lichter, J B., **360,** 424
Roitberg, B D. , *Book review by* Wyatt, T D. **360,** 120
Roitt, I M. , *Book review by* Rosen, F S. **358,** 463
Book review of The seeds of time: the life of Sir Macfarlane Burnet (*by* Sexton, C) **355,** 779
Rolando, A M. *See under* Thornberry, N A., **356,** 768
Romanovsky, A A. Light at the end of the tunnel?. *Correspondence,* **356,** 100
Ron, E. Thyroid cancer incidence. (*with* Lubin, J, Schneider, A B) *Scientific correspondence,* **360,** 113
Ronan, C A. , *Book review by* Silk, J. **355,** 407
Rondeau, J-M. Novel NADPH-binding domain revealed by the crystal structure of aldose reductase. (*with* Tête-Favier, F, Podjarny, A, Reymann, J-M, Barth, P, Biellmann, J-F, Moras, D) *Letter to Nature,* **355,** 469
Rondriez, F. *See under* Brzoska, J B., **360,** 719
Ronnenberg, J. *See under* Mellor, R B., **355,** 717
Ronningen, K S. *See under* Helland, Å., **356,** 23
Rood, R T. Detection of helium-3 in a planetary nebula. (*with* Bania, T M, Wilson, T L) *Letter to Nature,* **355,** 618
Rook, G. Tumours and Coley's toxins. *Scientific correspondence,* **357,** 545
Ropelewski, C F. Climate: Predicting El Niño events. *News and views,* **356,** 476
Rorsman, P. Electrical bursting in islet ß cells: Reply. (*with* Berggren, P-O) *Scientific correspondence,* **357,** 28
Rosa, M R. *See under* Reimers, D., **360,** 561
Rose, J. *Book review by* Davenport-Hines, R, **360,** 381
Rose, S. The reviewer reviewed. *Correspondence,* **359,** 10
Book review of Bright air, brilliant fire: On the matter of the mind (*by* Edelman, G) **360,** 426
Rose-Innes, A C. *Book review of* High-temperature superconductivity: An introduction (*by* Burns, G) **357,** 552
Rosegrant, S. *Book review by* Greenberg, D S. **358,** 462
Rosell, A. *See under* Eglinton, G., **356,** 423
Rosen, A. *See under* Hartwig, J H., **356,** 618
Rosen, F S. *Book review of* Metchnikoff and the origins of immunology: From metaphor to theory (*by* Tauber, A I) **356,** 119
Book review of Le dernier langage de la Médecine: Histoire de l'immunologie de Pasteur au Sida (*by* Moulin, A M) **356,** 119
358, 463
Rosen, J. *Book review by* Price, H, **356,** 632
Rosenberg, R D. *See under* Simons, M., **359,** 67
Rosenberg, R L. Cell-free expression of functional *Shaker* potassium channels. (*with* East, J E) *Letter to Nature,* **360,** 166
Rosenberg, S A. *Book review by* Vile, R G, **360,** 219
Rosenberger, M. *See under* Levin, A A., **355,** 359
Rosenblum, M L. *See under* Sidransky, D., **355,** 846
Rosenbusch, J P. *See under* Cowan, S W., **358,** 727
Rosencranz, A. Siberia's threatened forests. (*with* Scott, A) *Commentary,* **355,** 293
Rosenfeld, M G. *See under* Lin, C., **360,** 765
Rosenfield, I. *Book review by* Longuet-Higgins, C, **360,** 117
Rosenthal, W. *See under* Birnbaumer, M., **357,** 333
Molecular identification of the gene responsible for congenital nephrogenic diabetes insipidus. (*with* Seibold, A, Antaramian, A, Lonergan, M, Arthus, M-F, Hendy, G N, Birnbaumer, M, Bichet, D G) *Letter to Nature,* **359,** 233
Rosenzweig, C. *See under* Rind, D., **358,** 119
355, 781
Rosenzweig, R M. **355,** 121
Ross, A. , *Book review by* Clifford, A. **355,** 218
Ross, K G. Strong selection on a gene that influences reproductive competition in a social insect. *Letter to Nature,* **355,** 347
Ross, N L. *See under* Angel, R J., **358,** 322
Ross, P M. The grant racket. *Correspondence,* **355,** 197
Ross, W N. *See under* Jaffe, D B., **357,** 244
Ross-Murphy, S B. *See under* Kajiwara, K., **355,** 208
Rosseinsky, D R. Gas correction. *Scientific corespondence,* **360,** 636
Rosseinsky, M J. Structural and electronic properties of sodium-intercalated C_{60}. (*with* Murphy, D W, Fleming, R M, Tycko, R, Ramirez, A P, Siegrist, T, Dabbagh, G, Barrett, S E) *Letter to Nature,* **356,** 416
Rossetto, O. *See under* Schiavo, G., **359,** 832
Rossie, S. *See under* Artalejo, C R., **358,** 63
Rossiter, E J R. Reflections of a whistle-blower. *Commentary,* **357,** 434
Rossiter, M W. *Book review of* To the ends of the Earth: Women's search for education in medicine (*by* Bonner, T N) **356,** 485
Rossow, W B. *See under* Fu, R., **358,** 394
Rost, B. Jury returns on structure prediction. (*with* Sander, C) *Scientific correspondence,* **360,** 540
Rotaru, M. Clues to early Solar System history from chromium isotopes in carbonaceous chondrites. (*with* Birck, J L, Allègre, C J) *Article,* **358,** 465
Roth, M G. *See under* Ktistakis, N T., **356,** 344
Roth, W J. *See under* Kresge, C T., **359,** 710
Rothbard, J. *See under* Rudensky, A Yu., **359,** 429
Rothberg, J M. Gene patents. *Correspondence,* **356,** 738
Rothe, M. Loss of gene function through rapid mitotic cycles in the *Drosophila* embryo. (*with* Pehl, M, Taubert, H, Jäckle, H) *Letter to Nature,* **359,** 156
Rothermel, H. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Rothery, P. *See under* Mountford, M D., **356,** 391
Rothfield, L. *See under* de Boer, P., **359,** 254
Rothman, J E. *See under* Helms, J B., **360,** 352
Molecular dissection of the secretory pathway. (*with* Orci, L) *Review article,* **355,** 409
Rotter, L D. Infrared reflectivity measurements of a superconducting energy scale in Rb_3C_{60}. (*with* Schlesinger, Z, McCauley, J P, Coustel, N, Fischer, J E, Smith, A B) *Letter to Nature,* **355,** 532
Roudier, T. *See under* Muller, R., **356,** 322
Roulean, G. *See under* Delattre, O., **359,** 162
Roux, M. *See under* Boletzky, S V., **356,** 199
Rovero, A C. *See under* Punch, M., **358,** 477
Rowan, A N. Measuring animal well-being. *Correspondence,* **356,** 556
Rowan-Robinson, M. *See under* Taylor, A N., **359,** 396
Journal review of Astronomical and astrophysical transactions: The journal of the Soviet Astronomical society. (*Edited by* Bochkarev, N G) **359,** 460
Rowe, L B. *See under* Wolfe, J H., **360,** 749
Rowe, N P. Winged Late Devonian seeds. *Scientific correspondence,* **359,** 682
Rowley, R. The *wee1* protein kinase is required for radiation-induced mitotic delay. (*with* Hudson, J, Young, P G) *Letter to Nature,* **356,** 353
Roy, R. *See under* Paulus, W J., **357,** 571
Apologies to Bianconi. *Correspondence,* **359,** 472
Royden, C S. The perception of heading during eye movements. (*with* Banks, M S, Crowell, J A) *Letter to Nature,* **360,** 583
Rozakis-Adcock, M. Association of the Shc and Grb2/Sem5 SH2-containing proteins is implicated in activation of the Ras pathway by tyrosine kinases. (*with* McGlade, J, Mbamalu, G, Pelicci, G, Daly, R, Li, W, Batzer, A, Thomas, S, Brugge, J, Pelicci, P G, Schlessinger, J, Pawson, T) *Letter to Nature,* **360,** 689
Rubenstein, J L. *See under* Benfenati, F., **359,** 417
Rubenstein, M. *See under* Goto, M., **355,** 735
Rubery, P. *Journal review of* The plant journal. (*Edited by* Bowles, D, Caboche, M, Dennis, L, Flavell, D, Komamine, A, Schell, J, Somerville, C, Willmitzer, L) **359,** 439
Rubik, B A. *See under* Josephson, B D., **358,** 618
See under Josephson, B D., **359,** 472
Rubin, E M. *See under* Lawn, R M., **360,** 670
Rubin, E S. *See under* Lave, L B., **355,** 197
Rubin, G M. *Book review of* The making of a fly: The genetics of animal design (*by* Lawrence, P A) **357,** 123
See under Fortini, M E., **355,** 559
Rubinsky, B. Ice-crystal growth and lectins. (*with* Coger, R, Ewart, K V, Fletcher, G L) *Scientific correspondence,* **360,** 113
Rubinstein, L V. Artists' offspring. (*with* Koutsoukos, A D) *Correspondence,* **357,** 106
Ruchti, C. *See under* Braverstock, K., **359,** 21
Rud, N. *See under* Petersen, K S., **359,** 679
Ruddiman, W F. **358,** 721
See under Raymo, M E., **359,** 117
Rudensky, A Y. *See under* Janeway, C A Jr., **357,** 120
Rudensky, A Yu. Truncation variants of peptides isolated from MHC class II molecules suggest sequence motifs. (*with* Preston-Hurlburt, P, Al-Ramadi, B K, Rothbard, J, Janeway, C A Jr) *Letter to Nature,* **359,** 429
Rudnicki, M A. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Rudwick, M. *Book review of* James Hutton and the history of geology (*by* Dean, D R) **360,** 392
Rudwick, M J S. *Book review by* Sarjeant, W A S, **360,** 543
Ruelle, D. *Book review by* May, R M, **358,** 293
Rugar, D. Mechanical detection of magnetic resonance. (*with* Yannoni, C S, Sidles, J A) *Letter to Nature,* **360,** 563
Rugg, E L. *See under* Lane, E B., **356,** 244
Rummel, G. *See under* Cowan, S W., **358,** 727
Runcorn, S K. Polar path in geomagnetic reversals. *Miscellany,* **356,** 654
Rundel, P W. *See under* Ehleringer, J R., **359,** 316
Rundle, S A. *See under* Harley, H G., **355,** 545
Ruoslahti, E. *See under* Border, W A., **360,** 361
Rushy, R I. *See under* Larson, R L., **356,** 571
Rushton, J P. Differences in brain size. *Correspondence,* **358,** 531
The brain size/IQ debate. *Correspondence,* **360,** 292
Russell, D H. *Journal review by* Cahn, R W., **359,** 456
Rüther, U. *See under* Wang, Z-Q., **360,** 741
Ruvkin, G. Cell signalling: A molecular growth industry. *News and views,* **360,** 711
Ruvkun, G. *See under* Miller, D M., **355,** 841
Ryan, W B F. *See under* Reynolds, J R., **359,** 493
Ryder, G. *See under* Sharpton, V L., **359,** 819
Rye, H S. *See under* Glazer, A N., **359,** 859
Söllner, T. Mapping of the protein import machinery in the mitochondrial outer membrane by crosslinking of translocation intermediates. (*with* Rassow, J, Wiedmann, M, Schlossmann, J, Keil, P, Neupert, W, Pfanner, N) *Letter to Nature,* **355,** 84
Sabadini, R. *See under* Spada, G., **360,** 452
Sabatier, L. Chromosomal instability. (*with* Dutrillaux, B, Martin, M B) *Scientific correspondence,* **357,** 548
Sacks, O. Defining consciousness. *Correspondence,* **358,** 618
Sadick, M. *See under* Amiri, P., **356,** 604
Saez, L. *See under* Bargiello, T A., **360,** 610
Per - no link to gap junctions. (*with* Young, M W, Baylies, M K, Gasic, G, Bargiello, T A, Spray, D C) *Scientific correspondence,* **360,** 542
Sagan, C. Isaac Asimov (1920-1992) . *News and views,* **357,** 113
See under Chyba, C., **355,** 125
Sage, I C. *Book review by* Moore, G R, **359,** 598
Sahagian, D L. Bubbles in volcanic systems. (*with* Proussevitch, A A) *Scientific correspondence,* **359,** 485
Saibil, H. *See under* Lewis, V A., **358,** 249
Saint-Girons, I. *See under* He, Y-Y., **359,** 431
Saito, K. *See under* Kikuchi, K., **357,** 142
Saito, Y. *See under* Shinohara, H., **357,** 52
Sajer, S A. *See under* Palabrica, T., **359,** 848
Sakaki, Y. *See under* Chumakov, I., **359,** 380
Sakimura, K. *See under* Meguro, H., **357,** 70
See under Kutsuwada, T., **358,** 36
Sakmann, B. Obituary: Shosaku Numa (1929-1992) . *News and views,* **356,** 193
Sala, O E. *See under* Oesterheld, M., **356,** 234
Salama, F. Is a pyrene-like molecular ion the cause of the 4,430-Å diffuse interstellar absorption band?. (*with* Allamandola, L J) *Letter to Nature,* **358,** 42
Salamero, J. *See under* Amigorena, S., **358,** 337
Salawitch, R J. *See under* Marino, B D., **357,** 461
Sale, P F. , *Book review by* Petersen, C W. **357,** 551
Salem, J. *See under* Johnson, R D., **355,** 239
Salley, J P. *See under* Thornberry, N A., **356,** 768

Sallmen, S. *See under* Backer, D., **358,** 24
Salmon, S E. *See under* Lam, K S., **358,** 434; *Correction,* **360,** 768
Salo, H. Gravitational wakes in Saturn's rings. *Letter to Nature,* **359,** 619
Salomonsz, R. *See under* Davidenko, J M., **355,** 349
Saber, S J. Activation of *C. elegans Antennapedia* homologue in migrating cells controls their direction of migration, (*with* Kenyon, C) *Letter to Nature,* **355,** 255
Salt, T E. *See under* Herrling, P L., **356,** 470
Salucci, P. *See under* Sciama, D W., **358,** 718
Saluz, H. *See under* Wallace, A., **357,** 608
Salzberg, H W. *Book review by* Harman, P, **359,** 785
Sambrook, J. *See under* Gething, M-J., **355,** 33
Sambucy, J-L. *See under* Chumakov, I., **359,** 380
Sammer, J. Natural gas. *Correspondence,* **359,** 100
Sammonds, P R. Role of pore fluids in the generation of seismic precursors to shear fracture, (*with* Meredith, P G, Main, I G) *Letter to Nature,* **359,** 228
Samus, N N. *See under* Bochkarev, N G., **355,** 384
Sancetta, C. Primary production in the glacial North Atlantic and North Pacific oceans. *Letter to Nature,* **360,** 249
Sanchez-Madrid, F. *See under* Yednock, E A., **356,** 63
Sánchez-Prieto, J. *See under* Herrero, I., **360,** 163
Sancho, J. *See under* Serrano, L., **356,** 453
Sander, C. *See under* Bork, P., **358,** 287
See under Rost, B., **360,** 540
Sanders, D. Cosmology: Feeding the beast, *News and views,* **356,** 284
Right thinking, *Scientific correspondence,* **356,** 483
Sanders, G. *See under* Jones, K C., **356,** 137
Sanders, R H. The case against a massive black hole at the Galactic Centre, *Letter to Nature,* **359,** 131
Sandlund, O T. , *Book review by* Myers, N. **358,** 200
Sands, M S. *See under* Wolfe, J H., **360,** 749
Sandvig, K. Retrograde transport of endocytosed Shiga toxin to the endoplasmic reticulum, (*with* Garred, O, Prydz, K, Kozlov, J V, Hansen, S H, van Deurs, B) *Letter to Nature,* **358,** 510
Sanes, J R. Neurobiology: From cell line to brain, (*with* Lichtman, J W) *News and views,* **356,** 562
Sanger, J. Actin in cell attachment, (*with* Sanger, J) *Scientific correspondence,* **359,** 369
See under Sanger, J., **359,** 369
Sanger, J M. *See under* Sanger, J W., **357,** 442
Sanger, J W. Cell motility: Beads, bacteria and actin, (*with* Sanger, J M) *News and views,* **357,** 442
Sankaranarayanan, K. *See under* Lohman, P H M., **357,** 185
See under Baverstock, K F., **357,** 369
Sanocki, E. *See under* Winderickx, J., **356,** 431
Sansonetti, P J. *See under* Zychlinsky, A., **358,** 167
Santella, R M. *See under* Perera, F P., **360,** 256
Sanz, E. *See under* Oliver, S G., **357,** 38
Sarantis, M. *See under* Miller, B., **355,** 722
Saraste, M. *See under* Musacchio, A., **359,** 851
Sarda, L. *See under* van Tilbeurgh, H., **359,** 159
Sarjeant, W A S. *Book review of* Scenes from deep time: Early pictorial representations of the prehistoric world (*by* Rudwick, M J S) **360,** 543
Sarkar, G. *Journal review of* PCR: Methods and applications, (*Edited by* Cuddihy, J, Bentley, D, Gibbs, R, Green, E, Myers, R) **359,** 447
Sarmiento, J L. Revised budget for the oceanic uptake of anthropogenic carbon dioxide, (*with* Sundquist, E T) *Letter to Nature,* **356,** 589
Sarnthein, M. *See under* Eglinton, G., **356,** 423
Sarre, P J. *See under* Hall, D I., **358,** 629
Sassone-Corsi, P. *See under* Foulkes, N S., **355,** 80
Sassoon, D. *See under* Song, K., **360,** 477
Sathyendranath, S. *See under* Platt, T., **356,** 229
Satir, B H. , *Book review by* Marwan, W. **357,** 654
Sato, H. *See under* Shinohara, H., **357,** 52
Crumbling of dacite dome lava and generation of pyroclastic flows at Unzen volcano, (*with* Fujii, T, Nakada, S) *Letter to Nature,* **360,** 664
Sato, T A. *See under* Armitage, R J., **357,** 80
Satoh, M S. Role of poly(ADP-ribose) formation in DNA repair, (*with* Lindahl, T) *Letter to Nature,* **356,** 356
Saul, M E. *Journal review by* Barnard, T., **359,** 463
Saunders, G F. *See under* Hill, R E., **355,** 750
Saunders, M. *Book review of* The solar-terrestrial environment (*by* Hargreaves, J K) **360,** 428
Book review of The aurora: Sun-earth interactions (*by* Bone, N) **360,** 428
Saunders, N J. *Book review of* Breaking the Maya Code (*by* Coe, M D) **360,** 26
Savidge, B. *See under* Mandel, M A., **360,** 273
Sawin, K E. Mitotic spindle organization by a plus-end-directed microtubule motor, (*with* LeGuellec, K, Philippe, M, Mitchison, T J) *Letter to Nature,* **359,** 540
Sawyer, D T. *Book review by* Griffith, W P, **356,** 298
Sax, M. *See under* Swaminathan, S., **359,** 801
Saydam, C. *See under* Tugrul, S., **359,** 137
Scaltriti, F. *See under* Piirola, V., **359,** 399
Scatena, R. *See under* Giardina, B., **355,** 777
Schaaf-Gerstenschlager, I. *See under* Oliver, S G., **357,** 38
Schaar, B T. *See under* Yen, T J., **359,** 536
Schaefer, R K. Evidence for some hot dark matter?, (*with* Shafi, Q) *Scientific correspondence,* **359,** 199
Schaller, G. *See under* Blecha, A., **360,** 320
Schamasch, P. *See under* Dingeon, B., **358,** 447
Schank, C. *See under* He, Y., **357,** 227
Scharf, M. *See under* Bork, P., **358,** 287
Scheer, A. *See under* Camps, M., **360,** 684
Scheidereit, C. *See under* Wulczyn, F G., **358,** 597
Scheirle, A. *See under* Cammarota, G., **356,** 799
Schekman, R. *See under* Hosobuchi, M., **360,** 603
Schell, J. *Journal review by* Rubery, P., **359,** 439
Scheller, F. *Book review by* Malan, G. **358,** 200
Schendel, D J. *See under* Wank, R., **356,** 22
Schenk, D. *See under* Haass, C., **359,** 322
See under Seubert, P., **359,** 325
Scherbakova, A. *Book review of* Ecocide in the USSR: Health and nature under siege (*by* Feshbach, M) **357,** 451
Scherens, B. *See under* Oliver, S G., **357,** 38
Scherübl, H. *See under* Kleuss, C., **358,** 424
Schiavo, G. Tetanus and botulinum-B neurotoxins block neurotransmitter release by proteolytic cleavage of synaptobrevin, (*with* Benfenati, F, Poulain, B, Rossetto, O, Polverino de Laureto, P, DasGupta, B R, Montecucco, C) *Letter to Nature,* **359,** 832
Schier, A F. Direct homeodomain-DNA interaction in the autoregulation of the *fushi tarazu* gene, (*with* Gehring, W J) *Letter to Nature,* **356,** 804
Schiffmann, S. *See under* Parmentier, M., **355,** 453
Schild, R. *See under* Wendorf, F., **359,** 721
Schimmel, P. *See under* Musier-Forsyth, K., **357,** 513
Schirmer, T. *See under* Cowan, S W., **358,** 727
Schlegel, D. *See under* Davis, M., **359,** 393
Schleicher, M. *See under* Habazettl, J., **359,** 885
Schleif, W A. *See under* Emini, E A., **355,** 728
Schlesinger, M E. *See under* Hammitt, J K., **357,** 315
Implications for global warming of intercycle solar irradiance variations, (*with* Ramankutty, N) *Letter to Nature,* **360,** 330
Schlesinger, W H. *See under* Kern, R A., **357,** 447
Schlesinger, Z. *See under* Rotter, L D., **355,** 532
Schlessinger, J. *See under* Margolis, B., **356,** 71
See under Mohammadi, M., **358,** 681
See under Rozakis-Adcock, M., **360,** 689
Schlievert, P M. *See under* Blocki, F A., **360,** 269
Schlossmacher, M. *See under* Seubert, P., **359,** 325
Schlossmacher, M G. *See under* Haass, C., **359,** 322
Schlossmann, J. *See under* Söllner, T., **355,** 84
Schlunegger, M P. An unusual feature revealed by the crystal structure at 2.2 Å resolution of human transforming growth factor-β2, (*with* Grütter, M G) *Letter to Nature,* **358,** 430
Schluter, D. Brain size differences. *Correspondence,* **359,** 181
Schmalbruch, H. *See under* Sendtner, M., **358,** 502
See under Sendtner, M., **360,** 541
Schmidly, D J. *Book review by* Hutson, A M. **357,** 123
Schmidt, J A. *See under* Thornberry, N A., **356,** 768
Schmidt, R. *See under* Psenner, R., **356,** 781
Schmitt, D. *See under* Caux, C., **360,** 258
Schmitt, E M. *See under* Jacks, T., **359,** 295
Schmitt, J H M M. *See under* Lloyd, H M., **356,** 222
See under Haisch, B., **360,** 239
Schmitz, A. *See under* Chumakov, I., **359,** 380
Schnabel, P. *See under* Camps, M., **360,** 684
Schneid, E J. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Schneider, A. Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene, (*with* Montague, P, Griffiths, I, Fanarraga, M, Kennedy, P, Brophy, P, Nave, K-A) *Letter to Nature,* **358,** 758
Schneider, A B. *See under* Ron, E., **360,** 113
Schneider, R. *See under* Bork, P., **358,** 287
Schneider, S H. Will sea levels rise or fall?, *Commentary,* **356,** 11
Schnoor, J L. , *Book review by* Hay, A. **357,** 653
Schockmel, G A. *See under* Davis, S J., **358,** 76
Schofield, A E. Defective anion transport activity of the abnormal band 3 in hereditary ovalcytic red blood cells, (*with* Reardon, D M, Tanner, M J A) *Letter to Nature,* **355,** 836
Scholey, J M. *See under* Gelfand, V I., **359,** 480
Scholz, C H. Weakness amidst strength, *News and views,* **359,** 677
See under Pacheco, J F., **355,** 71
Earthquake prediction: Models of the seismic cycle, *News and views,* **355,** 774
Schouten, H. *See under* Larson, R L., **356,** 571
Schouten, J A. *See under* Vos, W L., **358,** 46
Schowen, R L. Reply to Menger and Haim, *Correspondence,* **360,** 506
Schrader, K A. *See under* Federman, A D., **356,** 159
Schramm, D N. *Book review of* The hidden universe (*by* Tayler, R J) **356,** 298
See under Peebles, P J E., **357,** 288
See under Olive, K A., **360,** 439
Schroeder, C. *See under* Meisel, A., **355,** 467
Schroer, T A. *See under* Lees-Miller, J P., **359,** 244
Schröder, W. *See under* Höss, M., **359,** 199
Schubert, F. *See under* Scheller, F., **358,** 200
Schubert, G. *See under* Baker, R D II., **359,** 370
See under Baker, R D., **355,** 710
Schubnell, M S. *See under* Punch, M., **358,** 477
Schull, W J. , *Book review by* Crow, J F. **357,** 31
Schulmann, R. , *Book review by* Schwartz, J. **360,** 377
Schulster, D. *Journal review by* Heath, J K., **359,** 442
Schultz, G. *See under* Kleuss, C., **358,** 424
Schultz, P H. Recent grazing impacts on the Earth recorded in the Rio Cuarto crater field, Argentina, (*with* Lianza, R E) *Letter to Nature,* **355,** 234
Schuraytz, B C. *See under* Sharpton, V L., **359,** 819
Schurmans, S. *See under* Parmentier, M., **355,** 453
Schwartz, D C. *See under* Guo, X-H., **359,** 783
Schwartz, D K. *See under* Garnaes, J., **357,** 54
Schwartz, J. *Book review by* Heilbron, J L. **360,** 217
Questions in particle theory, *Scientific correspondence,* **359,** 112
360, 377
Schwartz, S E. Hit or miss?, *Correspondence,* **355,** 196
Schwarzenberg-Czerny, A. Travel restrictions, *Correspondence,* **360,** 406
Schwarzkopf, M D. *See under* Ramaswamy, V., **355,** 810
Schweber, S S. *Book review of* Genius: Richard Feynman and modern physics (*by* Gleick, J) **360,** 375
Schwechheimer, K. *See under* Sidransky, D., **355,** 846
Schweitzer, B. *See under* Oliver, S G., **357,** 38
Schwob, E. New yeast actin-like gene required late in the cell cycle, (*with* Martin, R P) *Letter to Nature,* **355,** 179
Schütze, J. Forced vortex interaction and annihilation in an active medium, (*with* Steinbock, O, Müller, S C) *Letter to Nature,* **356,** 45
Schönfelder, H. *See under* Riedel, R., **355,** 714
Schönrich, G. *See under* Heath, W R., **359,** 547
Schönthal, A. Measuring animal well-being, *Correspondence,* **356,** 556
Sciama, D W. Decaying neutrino theory, (*with* Salucci, P, Persic, M) *Scientific correspondence,* **358,** 718
Sciortino, F. *See under* Peng, C-K., **356,** 168
See under Poole, P H., **360,** 324
Scorer, R S. Atmospheric cellular convection, *Scientific correspondence,* **359,** 370
Scott, A. *See under* Rosencranz, A., **355,** 293
Scott, D W. *Book review of* Immunology (*by* Kuby, J) **358,** 632
Book review of Advanced immunology, second edition (*by* Male, D) **358,** 632
Scott, J. *See under* Pease, R., **356,** 115
Medical genetics: Arterial hardening in mice, *News and views,* **360,** 631
Scott, M P. *Journal review by* Little, P., **359,** 440
Scott, S K. *Book review by* Tyson, J J, **356,** 394
Scott-Algara, D. *See under* Lafon, M., **358,** 507
Searle, J B. *See under* Hauffe, H C., **357,** 26
Searle, J R. *Book review by* Sutherland, S, **360,** 394
Searle, R C. *See under* Larson, R L., **356,** 571
Sears, D W G. A compositional classification scheme for meteoritic chondrules, (*with* Jie, L, Benoit, P H, DeHart, J M, Lofgren, G E) *Article,* **357,** 207
Seckmeyer, G. Increased ultraviolet radiation in New Zealand (45°S) relative to Germany (48°N) , (*with* McKenzie, R L) *Letter to Nature,* **359,** 135
Sedivy, P. *See under* Williams, T M., **355,** 821
Seeber, G. *See under* Foulger, G R., **358,** 488
Seeberg, E. *See under* Pines, G., **360,** 464
See under Pines, G., **360,** 768
Seeley, P J. *See under* Tiveron, M-C., **355,** 745
Seeley, T D. *Book review of* Killer bees: The Africanized honey bee in the Americas (*by* Winston, M L) **356,** 626
Seeman, P. *See under* Van Tol, H H M., **358,** 149
Segal, D. Atomic physics: Clarity in ion traps, (*with* Thompson, R) *News and views,* **357,** 280
Segel, L. Law of mass action, (*with* Tyson, J J) *Correspondence,* **357,** 106
Segre, M. , *Book review by* Naylor, R. **355,** 597
Segurado, O G. Running out of steam ... *News,* **360,** 502
Seibold, A. *See under* Birnbaumer, M., **357,** 333
See under Rosenthal, W., **359,** 233
Sejnowski, T. *Book review of* Neural Networks for Perception. Vol. 1: Human and Machine Perception. Vol.2: Computation, Learning and Architectures (*by* Wechsler, H) **360,** 27
Sejnowski, T J. *See under* Lisberger, S G., **360,** 159
Sékaly, R-P. *See under* Haughn, L., **358,** 328
Sekiguchi, K. Identification of V1017 Sgr as a cataclysmic variable binary system with unusually long period, *Letter to Nature,* **358,** 563
Sekiguchi, M. *See under* Maki, H., **355,** 273
Self, S. *See under* Rampino, M R., **359,** 50
See under Woods, A W., **355,** 628
Selkoe, D. *See under* Seubert, P., **359,** 325
Selkoe, D J. *See under* Haass, C., **357,** 500
See under Haass, C., **359,** 322
See under Citron, M., **360,** 672
Selleck, S B. Regulation of G1-S transition in postembryonic neuronal precursors by axon ingrowth, (*with* Gonzalez, C, Glover, D M, White, K) *Letter to Nature,* **355,** 253
Sellins, K S. *See under* Cohen, J J., **355,** 212
Selwood, L. *See under* Foster, J W., **359,** 531
Sembroski, G. *See under* Punch, M., **358,** 477
Semper, R J. Toroidal bubbles, *Scientific correspondence,* **356,** 390
Sendtner, M. Ciliary neurotrophic factor prevents degeneration of motor neurons in mouse mutant progressive motor neuronopathy, (*with* Schmalbruch, H, Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H) *Letter to Nature,* **358,** 502
More on motor neurons, (*with* Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H, Schmalbruch, H) *Scientific correspondence,* **360,** 541
Brain-derived neurotrophic factor prevents the death of mo-

tonecurons in newborn rats after nerve section. (*with* Holtmann, B, Kolbeck, R, Thoenen, H, Barde, Y-A) *Letter to Nature*, **360**, 757

Senut, B. *See under* Conroy, G C., **356**, 144

Seong, R H. Signal for T-cell differentiation to a CD4 cell lineage is delivered by CD4 transmembrane region and/or cytoplasmic tail. (*with* Chamberlain, J W, Parnes, J R) *Letter to Nature*, **356**, 718

Sepúlveda, F V. *See under* Valverde, M A., **355**, 830

Serber, R. *Book review by* Peierls, R, **357**, 290

Sercarz, E E. *See under* Lehmann, P V., **358**, 155

Sernett, S W. *See under* Ibraghimov-Beskrovnaya, O., **355**, 696

Serrano, L. Effect of alanine versus glycine in α-helices on protein stability. (*with* Neira, J-L, Sancho, J, Fersht, A R) *Letter to Nature*, **356**, 453

Settleman, J. Association between GTPase activators for Rho and Ras families. (*with* Albright, C F, Foster, L C, Weinberg, R A) *Letter to Nature*, **359**, 153

Seubert, P. Isolation and quantification of soluble Alzheimer's β-peptide from biological fluids. (*with* Vigo-Pelfrey, C, Esch, F, Lee, M, Dovey, H, Davis, D, Sinha, S, Schlossmacher, M, Whaley, J, Swindlehurst, C, McCormack, R, Wolfert, R, Selkoe, D, Lieberburg, I, Schenk, D) *Letter to Nature*, **359**, 325

See under Citron, M., **360**, 672

Severinghaus, J P. *See under* Broecker, W S., **358**, 710

Sewell, H F. *Journal review of* European cytokine network. (*Edited by* Bertoglio, J, Fradelizi, D) **359**, 442

Sexton, C. *Book review by* Roitt, I M, **355**, 779

Seytre, B. British say Pasteur Institute slighted their help on AIDS test. *News*, **358**, 358

Sgouros, J G. *See under* Oliver, S G., **357**, 38

Shackleton, N J. *See under* Dia, A N., **356**, 786

Shacklock, P S. Cytosolic free calcium mediates red light-induced photomorphogenesis. (*with* Read, N D, Trewavas, A J) *Letter to Nature*, **358**, 753

Shafi, Q. *See under* Schaefer, R K., **359**, 199

Shahidzadeh, N. *See under* Brzoska, J B., **360**, 719

Shallice, T. *Book review of* Consciousness explained (*by* Dennett, D C) **356**, 26

Shalloway, D. *See under* Guan, J-L., **358**, 690

Sham, M H. *See under* Marshall, H., **360**, 737

Shamu, C E. *See under* Miller, D M., **355**, 841

Shannon, C. Working in the chemical industry. *Miscellany*, **357**, 705

Shannon, W R. *See under* Strathdee, C A., **356**, 763

See under Strathdee, C A., **358**, 434

Shapiro, A E. *Book review by* Shea, W R, **359**, 595

Shapiro, L G. *Journal review by* Holburn, D., **359**, 454

Shapiro, L H. *See under* Yeager, C L., **357**, 420

Shapiro, S L. *See under* Rasio, F A., **355**, 325

Shapley, R M. *See under* Reid, R C., **356**, 716

Sharif, M. Peptide receptors: Stepping up the pressure. (*with* Hanley, M R) *News and views*, **357**, 279

Sharma, K R. *See under* Gussoni, E., **356**, 435

Sharma, Y D. Page charges. *Correspondence*, **355**, 104

Sharov, V A. *See under* Kumakhov, M A., **357**, 390

Sharp, P M. *See under* Gao, F., **358**, 495

Sharpton, V L. New links between the Chicxulub impact structure and the Cretaceous/Tertiary boundary. (*with* Dalrymple, G B, Ryder, G, Schuraytz, B C, Urrutia-Fucugauchi, J, Marin, L E) *Letter to Nature*, **359**, 819

Sharrocks, A D. *See under* Gille, H., **358**, 414

Shaw, D J. *See under* Harley, H G., **355**, 545

Shaw, E. *See under* Hallenberger, S., **360**, 358

Shaw, G M. *See under* Gao, F., **358**, 495

Shaw, P E. *See under* Gille, H., **358**, 414

Shaw, P R. Ridge segmentation, faulting and crustal thickness in the Atlantic Ocean. *Letter to Nature*, **358**, 490

Shaw, S. *See under* Pearson, D., **360**, 291

Shea, W R. **359**, 595

Shear, W A. Insect fossils: End of the 'Uniramia' taxon. *News and views*, **359**, 477

Sheard, B. DNA profiling and the police. *Correspondence*, **355**, 667

Shearer, P. Seismology: A mantle thermometer. *News and views*, **356**, 662

Shearer, P M. Global mapping of topography on the 660-km discontinuity. (*with* Masters, T G) *Article*, **355**, 791

Sheehan, W. *Book review by* Hughes, D W, **359**, 684

Shelbourne, P. *See under* Buxton, J., **355**, 547

Shen, M M. *See under* Miller, D M., **355**, 841

Shepherd, G M. *Book review by* Young, J Z, **356**, 624

Neurobiology: Modules for molecules. *News and views*, **358**, 457

Shepherd, J G. **358**, 292

Sher, A. Schistosomiasis: Parasitizing the cytokine system. *News and views*, **356**, 565

Sher, K J. *Book review by* Edwards, G, **358**, 549

Sherman, K. Global ocean monitoring strategy. (*with* Skjoldal, H R, Williams, R) *Correspondence*, **359**, 769

Sherman, L A. *See under* Webb, R., **359**, 485

Sherman, M Y. Heat shock in *Escherichia coli* alters the protein-binding properties of the chaperonin groEL by inducing its phosphorylation. (*with* Goldberg, A L) *Letter to Nature*, **357**, 167

Shertz, S R. *See under* Keeling, R F., **358**, 723

Shevach, E M. *See under* Röcken, M., **359**, 79

Shi, X. *See under* Herschbach, D R., **356**, 414

Shibayama, M. *See under* Zhang, Y-Q., **360**, 142

Shibuya, H. New human gene encoding a positive modulator of HIV Tat-mediated transactivation. (*with* Irie, K, Ninomiya-Tsuji, J, Goebl, M, Taniguchi, T, Matsumoto, K) *Letter to Nature*, **357**, 700

Shida, T. *See under* Shinohara, H., **357**, 52

Shigematsu, I. Childhood thyroid cancer in Belarus. (*with* Thiessen, J W) *Scientific correspondence*, **359**, 680

Shimakawa, Y. *See under* Tanigaki, K., **356**, 419

See under Ebbesen, T W., **355**, 620

Shimizu, A. *See under* Murakami, M., **357**, 77

Shimizu, N. *See under* Takazawa, E., **359**, 55

Shimonishi, Y. *See under* Kokame, K., **359**, 749

Shine, K P. *See under* Austin, J., **360**, 221

See under Ramaswamy, V., **355**, 810

Shine, R. *See under* Madsen, T., **355**, 440

Shine, R A. *See under* Muller, R., **356**, 322

Shinohara, H. Encapsulation of a scandium trimer in C_{82}. (*with* Sato, H, Ohkohchi, M, Ando, Y, Kodama, T, Shida, T, Kato, T, Saito, Y) *Letter to Nature*, **357**, 52

Shirey, S B. *See under* Ellam, R M., **359**, 718

Shiromaru, H. *See under* Kikuchi, K., **357**, 142

Shively, J E. *See under* Thornberry, N A., **356**, 768

Shklovsky, I. *Book review by* Gratzer, W, **355**, 308

Shlesinger, M. *Journal review of* Journal of nonlinear science. (*Edited by* Kuznetsov, E, Wiggins, S) **359**, 453

Journal review of Nonlinear science today. (*Edited by* Holmes, P, Stewart, I) **359**, 453

Journal review of Chaos, solitons and fractals: Applications in science and engineering. (*Edited by* El Naschie, M S) **359**, 453

Journal review of Chaos. (*Edited by* Campbell, D K) **359**, 453

Journal review of International journal of bifurcation and chaos. (*Edited by* Chua, L O) **359**, 453

Shlesinger, M F. Statistical physics: New paths for random walkers. *News and views*, **355**, 396

Shlyakhter, A I. Sea-level rise or fall?. (*with* Kammen, D M) *Scientific correspondence*, **357**, 25

Shoemaker, S. *See under* Looker, D., **356**, 258

Shoenberg, D. *Book review of* Superconductivity: Its historical roots and development from mercury to the ceramic oxides (*by* Dahl, P F) **359**, 281

Shooter, E M. *See under* Suter, U., **356**, 241

Short, N. Molecular neurology comes of age. *News and views*, **360**, 295

Shortland, P. *See under* Woolf, C J., **355**, 75

Shou, C. Molecular cloning of cDNAs encoding a guanine-nucleotide-releasing factor for Ras p21. (*with* Farnsworth, C L, Neel, B G, Feig, L A) *Letter to Nature*, **358**, 351

Shpetner, H S. Dynamin is a GTPase stimulated to high levels of activity by microtubules. (*with* Vallee, R B) *Letter to Nature*, **355**, 733

Shu, F H. *Book review by* Hughes, P A, **357**, 122

Shu, Y. *See under* Oliver, S G., **357**, 38

Shub, D A. *See under* Reinhold-Hurek, B., **357**, 173

Shubik, M. *Book review of* Prisoner's dilemma: John von Neumann, game theory and the puzzle of the bomb (*by* Poundstone, W) **356**, 637

Shull, M M. Targeted disruption of the mouse transforming growth factor - β1 gene results in multifocal inflammatory disease. (*with* Ormsby, I, Kier, A B, Pawlowski, S, Diebold, R J, Yin, M, Allen, R, Sidman, C, Proetzel, G, Calvin, D, Annunziata, N, Doetschman, T) *Article*, **359**, 693

Shulman, M J. *See under* Oancea, A., **359**, 371

Shur, B D. *See under* Miller, D J., **357**, 589

Shurkin, J N. *Book review by* Bryant, P E, **358**, 634

Shutler, G. *See under* Aslanidis, C., **355**, 548

Shweiki, D. Vascular endothelial growth factor induced by hypoxia may mediate hypoxia-initiated angiogenesis. (*with* Itin, A, Soffer, D, Keshet, E) *Letter to Nature*, **359**, 843

Sibanda, B L. *See under* Dhanaraj, V., **357**, 466

Sibert, J R. *See under* Holland, K N., **358**, 410

Sibley, L D. Virulent strains of *Toxoplasma gondii* comprise a single clonal lineage. (*with* Boothroyd, J C) *Letter to Nature*, **359**, 82

Sidorovski, D P. *See under* Molina, T J., **357**, 161

Sidles, J A. *See under* Rugar, D., **360**, 563

Sidman, C. *See under* Shull, M M., **359**, 693

Sidman, R L. *See under* Suter, U., **356**, 241

Sidorowich, J J. Chaos and epidemiology: Repellors attract attention. *News and views*, **355**, 584

Sidransky, D. Clonal expansion of p53 mutant cells is associated with brain tumour progression. (*with* Mikkelsen, T, Schwechheimer, K, Rosenblum, M L, Cavanee, W, Vogelstein, B) *Letter to Nature*, **355**, 846

Sidransky, E. *See under* Tybulewicz, V L J., **357**, 407

Siebenlist, U. *See under* Franzoso, G., **359**, 339

Siebert, L. Volcano hazards: Threats from debris avalanches. *News and views*, **356**, 658

Siebert, P D. Competitive PCR. (*with* Larrick, J W) *Product review*, **359**, 557

Siegel, D M. *Book review by* Harman, P M, **356**, 753

Siegenthaler, U. *See under* Leuenberger, M., **357**, 488

See under Leuenberger, M., **360**, 449

Siegrist, T. *See under* Rosscinsky, M J., **356**, 416

Sielecki, A. *See under* Strynadka, N C J., **359**, 700

Sieracki, M E. *See under* Townsend, D W., **360**, 59

Sieradzan, K. *See under* Vrbová, G., **360**, 216

Sievering, H. Removal of sulphur from the marine boundary layer by ozone oxidation in sea-salt aerosols. (*with* Boatman, J, Gorman, E, Kim, Y, Anderson, L, Ennis, G, Luria, M, Pandis, S) *Letter to Nature*, **360**, 571

Sifers, R N. Protein transport: Z and the insoluble answer. *News and views*, **357**, 541

Sigler, P B. *See under* Hegde, R S., **359**, 505

Sigmund, K. On prisoners and cells. *News and views*, **359**, 774

See under Nowak, M A., **355**, 250

Sikora, M. Does an orbiting star cause periodic modulation of X-rays from NGC6814?. (*with* Begelman, M C) *Letter to Nature*, **356**, 224

Silhavy, T J. *See under* Phillips, G J., **359**, 744

Silk, G W. Animal lib and racial bigotry. *Correspondence*, **356**, 651

Silk, J. Cosmology back to the beginning. *News and views*, **356**, 741

Book review of My universe: Selected reviews (*by* Zel'dovich, Ya B) **359**, 490

Book review of Ancient light: Our changing view of the universe (*by* Ronan, C A) **355**, 407

Book review of The natural history of the universe (*by* Lightman, A) **355**, 407

Book review of Journey through the universe (*by* Pasachoff, J M) **355**, 407

Book review of Isaac Asimov's Guide to Earth and Space (*by* Asimov, I) **355**, 407

Silver, L M. *Journal review by* Copeland, N G., **359**, 440

Silver, M L. Atomic structure of a human MHC molecule presenting an influenza virus peptide. (*with* Guo, H-C, Stominger, J L, Wiley, D C) *Letter to Nature*, **360**, 367

Silver, R A. Rapid-time-course miniature and evoked excitatory currents at cerebellar synapses *in situ*. (*with* Traynelis, S F, Cull-Candy, S G) *Letter to Nature*, **355**, 163

Silverman, L. *See under* Waksman, G., **358**, 646

Silverstein, S C. *See under* Wine, J J., **360**, 18

Simeone, A. Nested expression domains of four homeobox genes in developing rostral brain. (*with* Acampora, D, Gulisano, M, Stornaiuolo, A, Boncinelli, E) *Letter to Nature*, **358**, 687

Simet, C. *See under* Bond, G., **360**, 245

Simmons, D L. *See under* Fawcett, J., **360**, 481

Simmons, L W. Quantification of role reversal in relative parental investment in a bush cricket. *Letter to Nature*, **358**, 61

Simon, G W. *See under* Muller, R., **356**, 322

Simon, J. *See under* Allen, B., **357**, 19

See under Tournilhac, F., **359**, 621

Simon, M. *See under* Smith, D C., **359**, 139

See under Pakula, A., **355**, 496

Simon, M A. *See under* Fortini, M E., **355**, 559

Simon, M I. *See under* Katz, A., **360**, 686

Simon, M-N. Mutation of protein kinase A causes heterochronic development of *Dictyostelium*. (*with* Pelegrini, O, Veron, M, Kay, R R) *Letter to Nature*, **356**, 171

Simonaitis, R. More questions on forest decline. (*with* Olszyna, K J, Meagher, J F) *Scientific correspondence*, **355**, 402

Simons, K. *See under* Kobayashi, T., **359**, 647

Simons, M. *See under* Peng, C-K., **356**, 168

Antisense c-*myb* oligonucleotides inhibit intimal arterial smooth muscle cell accumulation *in vivo*. (*with* Edelman, E R, DeKeyser, J-L, Langer, R, Rosenberg, R D) *Letter to Nature*, **359**, 67

Simons, P. *Book review by* Ingrouille, M, **358**, 551

Simpson, A W M. *See under* Rizzuto, R., **358**, 325; *Correction*, **360**, 768

Simpson, J. *Book review of* Windscale 1957: Anatomy of a nuclear accident (*by* Arnold, L) **356**, 297

Simpson, J L. *See under* Ferguson-Smith, M A., **355**, 10

Simpson, R W. *See under* Harris, R A., **360**, 251

Sims, M R. *See under* Cooke, B A., **355**, 61

Sims, P F G. *See under* Hyde, J E., **360**, 541

Sinclair, A H. *See under* Foster, J W., **359**, 531

Singh, B. Measuring shelf afterlife. (*with* Taylor, H W) *Scientific correspondence*, **356**, 293

Sinha, A. Some like it hot... (*with* Chandrashekara, K) *Scientific correspondence*, **359**, 593

Sinha, S. *See under* Seubert, P., **359**, 325

Sinigaglia, F. *See under* Cammarota, G., **356**, 799

Sion, E M. Astronomy: Puzzling pulsations explained. *News and views*, **358**, 545

Sirtori, C. *See under* Capasso, F., **358**, 565

Sivco, D L. *See under* Capasso, F., **358**, 565

Sjöström, H. *See under* Delmas, B., **357**, 417

Skala, J. *See under* Oliver, S G., **357**, 38

Skehel, J J. Influenza virus: Amantadine blocks the channel. *News and views*, **358**, 110

Skiff, B A. *See under* Lockwood, G W., **360**, 653

Skipper, Y D. *See under* Wildon, D C., **360**, 62

Skjoldal, H R. *See under* Sherman, K., **359**, 769

Skoyles, J R. Mirror script. *Scientific correspondence*, **357**, 25

Popper: success or failure?. *Correspondence*, **359**, 100

Slack, J. **355**, 217

Sladek, F M. *See under* Kuo, C J., **355**, 457

Slagle, B L. *See under* Donehower, L A., **356**, 215

Slama-Schwok, A. Long-lived photoinduced charge separation in a redox system trapped in a sol-gel glass. (*with* Ottolenghi, M, Avnir, D) *Letter to Nature*, **355**, 240

Slanina, Z. Correcting errors. *Correspondence*, **355**, 668

Slater, A F G. Inhibition by chloroquine of a novel haem polymerase enzyme activity in malaria tropozoites. (*with* Cerami, A) *Letter to Nature*, **355**, 167

Slaughter, C A. *See under* Ibraghimov-Beskrovnaya, O., **355**,

696
Sleep, N H. Creep, compaction and the weak rheology of major faults, (*with* Blanpied, M L) *Article*, **359,** 687
Slemr, F. Increase in global atmospheric concentrations of mercury inferred from measurements over the Atlantic Ocean, (*with* Langer, E) *Letter to Nature*, **355,** 434
Slingo, T. *See under* Stephens, G., **358,** 369
Sloan, L C. Possible methane-induced polar warming in the early Eocene, (*with* Walker, J C G, Moore Jr, T C, Rea, D K, Zachos, J C) *Letter to Nature*, **357,** 320
Slominski, P P. *See under* Oliver, S G., **357,** 38
Slot, J W. *See under* Kleijmeer, M J., **357,** 342
Slowey, N C. Enhanced ventilation of the North Atlantic subtropical gyre thermocline during the last glaciation, (*with* Curry, W B) *Letter to Nature*, **358,** 665
Smalley, R E. *See under* Ohno, T R., **355,** 401
Smayda, T J. Marine biology: A phantom of the ocean, *News and views*, **358,** 374
Smeets, H J M. *See under* Aslanidis, C., **355,** 548
Smetacek, V. Mirror-script and left-handedness, *Scientific correspondence*, **355,** 118
Smith, A B. *See under* Rotter, L D., **355,** 532
Smith, A B III. *See under* Yildirim, T., **360,** 568
Smith, A D. *See under* Bloom, F E., **358,** 184
Maxwell's role, *Correspondence*, **355,** 490
Smith, A E. *See under* Denning, G M., **358,** 761
Smith, A W S. Coastal erosion and insurance, *Correspondence*, **359,** 356
Smith, C A. *See under* Armitage, R J., **357,** 80
See under Farrah, T., **358,** 26
Smith, C W. **356,** 395
Smith, D C. Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution, (*with* Simon, M, Alldredge, A L, Azam, F) *Letter to Nature*, **359,** 139
Smith, D J. *See under* Dong, W., **355,** 605
Smith, F G. *See under* Lyne, A G., **359,** 706
Smith, F W. Quadruplex structure of *Oxytricha* telomeric DNA oligonucleotides, (*with* Feigon, J) *Letter to Nature*, **356,** 164
Smith, G A. *See under* Portnoy, D A., **357,** 536
Smith, H. *See under* Powis, S J., **357,** 211
Smith, I W M. Chemical kinetics: Probing the transition state, *News and views*, **358,** 279
Smith, J C. *See under* Cunliffe, V., **358,** 427
Smith, K L Jr. Reconciling particulate organic carbon flux and sediment community oxygen consumption in the deep North Pacific, (*with* Baldwin, R J, Williams, P M) *Letter to Nature*, **359,** 313
Smith, L A. *See under* Allen, M R., **359,** 67?
See under Allen, M R., **355,** 686
Smith, M L. The fungus *Armillaria bulbosa* is among the largest and oldest living organisms, (*with* Bruhn, J N, Anderson, J B) *Letter to Nature*, **356,** 428
Smith, P G. *See under* Fine, P E M., **360,** 406
Smith, P J. Encyclopedia of earth system science (*Edited by* Nierenberg, W A) **356,** 486
Book review of Water baby: The story of Alvin (*by* Kaharl, V A) **355,** 32
Book review of Fire under the Sea (*by* Cone, J) **355,** 32
Smith, S . *Book review by* Schwartz, J. **360,** 377
Smith, S N. *See under* Dorin, J R., **359,** 211
Smith, W H. *Journal review by* Betts, W B., **359,** 462
Smith, W H F. *See under* Morgan, J P., **359,** 524
Smythies, J R. Wittgenstein and Smythies, *Correspondence*, **355,** 490
Snider, W D. *See under* Yan, Q., **360,** 753
Snipes, G J. *See under* Suter, U., **356,** 241
Snowden, R J. Subtractive and divisive adaptation in the human visual system, (*with* Hammett, S T) *Letter to Nature*, **355,** 248
Snowman, A M. *See under* Steiner, J P., **358,** 584
Snyder, S H. *See under* Ferris, C D., **356,** 350
See under Bloom, F E., **358,** 184
See under Steiner, J P., **358,** 584
Biosensors: NO release for good measure, *News and views*, **358,** 623
Sockanathan, S. *See under* Primig, M., **358,** 593
Soffer, D. *See under* Shweiki, D., **359,** 843
Sohl, J L. *See under* Baker, D., **356,** 263
Sokal, R R. Patterns of population spread, (*with* Wilson, C, Oden, N L) *Scientific correspondence*, **355,** 214
Sollner-Webb, B. RNA editing: Guides to experiments, *News and views*, **356,** 743
Solomon, P M. Molecular gas content of the primaeval galaxy IRAS 10214+4724, (*with* Radford, S J E, Downes, D) *Letter to Nature*, **356,** 318
Solomon, S. Time-dependent ozone depletion potentials for short- and long-term forecasts, (*with* Albritton, D L) *Review article*, **357,** 33
See under Hofmann, D J., **359,** 283
Solomon, S C. *See under* Purdy, G M., **355,** 815
Solow, R. *See under* Egan, M., **358,** 581
Somers, W S. Crystal structure of the *met* repressor-operator complex at 2.8Å resolution reveals DNA recognition by β-strands, (*with* Phillips, S E V) *Article*, **359,** 387
Somerville, C. *Journal review by* Rubery, P., **359,** 439
Sommer, M. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
Somogyi, P. *See under* Bloom, F E., **358,** 184
Somoza, C. *See under* Davis, S J., **358,** 76
Song, K. Expression of *Hox-7.1* in myoblasts inhibits terminal differentiation and induces cell transformation, (*with* Wang, Y, Sassoon, D) *Letter to Nature*, **360,** 477
Songalia, A. *See under* Cowie, L L., **357,** 607
Soni, M G. Political pressure?, *Correspondence*, **356,** 652
Sonnhammer, E. *See under* Bork, P., **358,** 287
Sor, F. *See under* Oliver, S G., **357,** 38
Sorensen, C M. Liquid physics: Still waters run still deeper, *News and views*, **360,** 303
Sorger, P K. S-phase feedback control in budding yeast independent of tyrosine phosphorylation of $p34^{cdc28}$, (*with* Murray, A W) *Letter to Nature*, **355,** 365
Sorkhoh, N. Self-cleaning of the Gulf, (*with* Al-Hasan, R, Radwan, S, Höpner, T) *Scientific correspondence*, **359,** 109
Sornette, D. Linking short-timescale deformation to long-timescale tectonics, (*with* Vricux, J) *Letter to Nature*, **357,** 401
Soubrier, F. *See under* Cambien, F., **359,** 641
Soularue, P. *See under* Chumakov, I., **359,** 380
Soustelle, C. *See under* Oliver, S G., **357,** 38
Southgate, E. *See under* White, J G., **355,** 838
Southward, A J. *See under* Dando, P R., **356,** 667
Southward, E C. *See under* Dando, P R., **356,** 667
Spada, G. Excitation of true polar wander by subduction, (*with* Ricard, Y, Sabadini, R) *Letter to Nature*, **360,** 452
Sparks, D L. *See under* Glimcher, P W., **355,** 542
Sparks, R J. *See under* Brenninkmeijer, C A M., **356,** 50
Sparks, W B. A counterjet in the elliptical galaxy M87, (*with* Fraix-Burnet, D, Macchetto, F, Owen, F N) *Letter to Nature*, **355,** 804
Sparrow, M A. *See under* Lyle, M W., **355,** 812
Spaulding, W G. *See under* Marino, B D., **357,** 461
Speck, J. *See under* Levin, A A., **355,** 359
Speiser, D E. Extrathymic positive selection of αß T-cell precursors in nude mice, (*with* Stübi, U, Zinkernagel, R M) *Letter to Nature*, **355,** 170
Spergel, D N. Extreme gas pressures in the galactic bulge, (*with* Blitz, L) *Letter to Nature*, **357,** 665
Spiegel, E A. *See under* Abramowicz, M A., **356,** 41
Spiegelberg, R. *See under* Oliver, S G., **357,** 38
Spielmann, H. Alternative toxicity tests, *Correspondence*, **357,** 432
Spies, T. *See under* Arnold, D., **360,** 171
Presentation of viral antigen by MHC class I molecules is dependent on a putative peptide transporter heterodimer, (*with* Cerundolo, V, Colonna, M, Cresswell, P, Townsend, A, DeMars, R) *Letter to Nature*, **355,** 644
Spits, H. *See under* Momburg, F., **360,** 174
Spitzfaden, C. *See under* Kallen, J., **356,** 24
Spivak, T. *See under* Mohammadi, M., **358,** 681
Splettstoesser, J. Antarctic global warming?, *Scientific correspondence*, **355,** 503
Spolsky, C M. Antiquity of clonal salamander lineages revealed by mitochondrial DNA, (*with* Phillips, C A, Uzzell, T) *Letter to Nature*, **356,** 706
Spray, D C. *See under* Bargiello, T A., **360,** 610
See under Saez, L., **360,** 542
Sprenger, F. *See under* Dickson, B., **360,** 600
Spriggs, M K. *See under* Armitage, R J., **357,** 80
Spudich, J L . *Book review by* Marwan, W. **357,** 654
Spurgeon, D. Canada: Cuts threaten Science Council, *News*, **356,** 9
Canada's medical council wants larger role, *News*, **357,** 271
Canada commits money for human genome research, *News*, **357,** 428
Canadian research council found guilty of job bias, *News*, **359,** 95
Merck promises large grant to university if Canada extends patent protection, *News*, **359,** 351
Canada apologizes to physicist, *News*, **359,** 353
Physics and family values, *News*, **360,** 504
Patent protection: Canadian drug firms boost R&D spending, *News*, **355,** 666
Sreekumar, P. *See under* Bertsch, D L., **357,** 306
See under Thompson, D J., **359,** 615
St John, T. *See under* Vazeux, R., **360,** 485
Stace, T. Clusters: Just a fraction of a moment, *News and views*, **360,** 537
Stacey, G N. DNA fingerprints of cell lines, (*with* Bolton, B J, Doyle, A) *Scientific correspondence*, **359,** 681
DNA fingerprinting transforms the art of cell authentication, (*with* Bolton, B J, Doyle, A) *Product review*, **357,** 261
Staden, R. *See under* Sulston, J., **356,** 37
Stamford, J. Changing places, *Correspondence*, **357,** 10
Stamp, P. Quantum mechanics: Magnets get their act together, *News and views*, **359,** 365
Stanat, S C. *See under* Sullivan, V., **358,** 162
Standaert, M L. *See under* Farese, R V., **360,** 305
Stanfield, P R. *Journal review of* Cellular physiology and biochemistry: International journal of experimental cellular physiology, biochemistry and pharmacology, (*Edited by* Lang, F) **359,** 441
Stanley, H E. *See under* Peng, C-K., **356,** 168
See under Poole, P H., **360,** 324
See under Bhaskar, K R., **360,** 458
See under Larralde, H., **355,** 423
Starczak, V R. *See under* Van Dover, C L., **360,** 153
Starnes, C O. Coley's toxins in perspective, *Commentary*, **357,** 11
Coley's toxins, *Scientific correspondence*, **360,** 23
Starr, C. Is peer review unbiased?, *Correspondence*, **357,** 354
Stateva, L I. *See under* Oliver, S G., **357,** 38
Stauffer, B. *See under* Johnsen, S J., **359,** 311
Staveley-Smith, L. Birth of a radio supernova in supernova remnant 1987A, (*with* Manchester, R N, Kesteven, M J, Campbell-Wilson, D, Crawford, D F, Turtle, A J, Reynolds, J E, Tzioumis, A K, Kileen, N E B, Jauncey, D L) *Letter to Nature*, **355,** 147
Steane, A. Quantum optics: Crystals with a light touch, (*with* Foot, C) *News and views*, **358,** 715
Stearns, S C. *Book review by* Gwynne, D T., **359,** 27
Stebbins, J F. *See under* Farnan, I., **358,** 31
Steel, D I. Babbage's dates, *Correspondence*, **356,** 653
Steele, L P. Slowing down of the global accumulation of atmospheric methane during the 1980s, (*with* Dlugokencky, E J, Lang, P M, Tans, P P, Martin, R C, Masarie, K A) *Letter to Nature*, **358,** 313
Steele, W A. **355,** 310
Steensma, H Y. *See under* Oliver, S G., **357,** 38
Steffensen, J P. *See under* Johnsen, S J., **359,** 311
Steglich, F. *See under* He, Y., **357,** 227
Steiert, M. *See under* Cowan, S W., **358,** 727
Stein, C A. A model for the global variation in oceanic depth and heat flow with lithospheric age, (*with* Stein, S) *Article*, **359,** 123
Stein, D. *See under* Leptin, M., **355,** 777
Stein, P E. Crystal structure of the cell-binding B oligomer of verotoxin-1 from *E. coli*, (*with* Boodhoo, A, Tyrrell, G J, Brunton, J L, Read, R J) *Letter to Nature*, **355,** 748
Stein, R L. Catalysis steps, *Scientific correspondence*, **356,** 23
Stein, S. Earthquakes: Seismic gaps and grizzly bears, *News and views*, **356,** 387
See under Stein, C A., **359,** 123
Steinberg, C. *See under* Wabl, M., **359,** 370
Steinbock, O. *See under* Schütze, J., **356,** 45
Steiner, J P. High brain densities of the immunophilin FKBP colocalized with calcineurin, (*with* Dawson, T M, Fotuhi, M, Glatt, C E, Snowman, A M, Cohen, N, Snyder, S H) *Letter to Nature*, **358,** 584
Steiner, S. *See under* Oliver, S G., **357,** 38
Steinman, L. *See under* Gussoni, E., **356,** 435
See under Yednock, E A., **356,** 63
Steitz, T A. *See under* Story, R M., **355,** 374
See under Story, R M., **355,** 318
See under Story, R M., **355,** 567
Stephens, G. Climate feedbacks: An air-conditioned greenhouse, (*with* Slingo, T) *News and views*, **358,** 369
Stephens, L R. *See under* Hawkins, P T., **358,** 157
Stephens, P W. Fullerene superconductors: Back to the drawing board, *News and views*, **356,** 383
Lattice structure of the fullerene ferromagnet TDAE-C_{60} (with Cox, D, Lauher, J W, Mihaly, L, Wiley, J B, Allemand, P-M, Hirsch, A, Holczer, K, Li, Q, Thompson, J D, Wudl, F) *Letter to Nature*, **355,** 331
Lattice structure of the fullerene ferromagnet TDAE-C_{60} (*with* Cox, D, Lauher, J W, Mihaly, L, Wiley, J B, Allemand, P-M, Hirsch, A, Holczer, K, Li, Q, Thompson, J D, Wudl, F) *Letter to Nature*, **355,** 331
Stern, L J. *See under* Chicz, R M., **358,** 764
Stern, M J. *See under* Clark, S G., **356,** 340
Stern, P L. *See under* Glew, S S., **356,** 22
Sternberg, M J E. *See under* Burroughs, A K., **358,** 377
Sternberg, P W. *See under* Hill, R J., **358,** 470
Sternlicht, H. *See under* Yaffe, M B., **358,** 245
Sternlicht, M L. *See under* Yaffe, M B., **358,** 245
Stetler, G L. *See under* Looker, D., **356,** 258
Stevens, C F. *Book review of* Electrogenic ion pumps (*by* Läuger, P) **356,** 487
NMDA receptors: On to molecular mechanisms, *News and views*, **358,** 18
Stevens, I R. *See under* Podsiadlowski, P., **356,** 202
Stevens, J. African conservation: Ways to make the West pay, *News*, **356,** 8
Genetic resources: Fighting the rules of the game, *News*, **355,** 489
Stevenson, B J. *See under* Dorin, J R., **359,** 211
Stevenson, C M. *See under* Mazer, J J., **357,** 573
Stevenson, D J. *Book review of* Deep interior of the Earth (*by* Jacobs, J A) **356,** 396
Early Earth: Stalking the magma ocean, *News and views*, **355,** 301
Stewart, C L. Blastocyst implantation depends on maternal expression of leukaemia inhibitory factor, (*with* Kaspar, P, Brunet, L J, Bhatt, H, Gadi, I, Köntgen, F, Abbondanzo, S J) *Letter to Nature*, **359,** 76
Stewart, I. *Book review of* Cosmography: A posthumous scenario for the future of humanity (*by* Buckminster Fuller, R) **356,** 633
Journal review by Shlesinger, M., **359,** 453
Journal review by Barnard, T., **359,** 463
Book review by Altmann, S L., **360,** 545
Numerical methods: Warning - handle with care!, *News and views*, **355,** 16
Stiavelli, M. Optical counterpart of the east radio lobe of M87, (*with* Biretta, J, Møller, P, Zeilinger, W W) *Letter to Nature*, **355,** 802
Stillman, B. *See under* Bell, S P., **357,** 128
Stim, E. Sex education and AIDS, *Correspondence*, **360,** 10
Stirling, C J. *See under* Hann, B C., **356,** 532

The *S. cerevisiae SEC65* gene encodes a component of yeast signal recognition particle with homology to human SRP19, (*with* Hewitt, E W) *Letter to Nature*, **356,** 534
Stock, A M. *See under* Rasmussen, B F., **357,** 423
Stockley, P G. *See under* He, Y-Y., **359,** 431
Stocks, B J. *See under* Cahoon, D R Jr., **359,** 812
Stoddard, B L. Prediction of the structure of a receptor-protein complex using a binary docking method, (*with* Koshland Jr, D E) *Letter to Nature*, **358,** 774
Mir for the crystallographers' money, (*with* Strong, R K, Arrott, A, Farber, G K) *Commentary*, **360,** 293
Stoebe, T. *See under* Geer, R., **355,** 152
Stoffel, M. *See under* Vionnet, N., **356,** 721
Stoninger, J L. *See under* Silver, M L., **360,** 367
Stoner, G R. Neural correlates of perceptual motion coherence, (*with* Albright, T D) *Letter to Nature*, **358,** 412
Storm-Mathisen, J. *See under* Pines, G., **360,** 464
See under Pines, G., **360,** 768
Stornaiuolo, A. *See under* Simeone, A., **358,** 687
Storrie, B. *See under* Kobayashi, T., **359,** 647
Story, R M. Structure of the recA protein-ADP complex, (*with* Steitz, T A) *Letter to Nature*, **355,** 374
The structure of the *E. coli recA* protein monomer and polymer, (*with* Weber, I T, Steitz, T A) *Article*, **355,** 318
Erratum: The structure of the *E. coli recA* protein monomer and polymer, (*with* Weber, I T, Steitz, T A) *Letter to Nature*, **355,** 567
Strachan, T. *See under* Tassabehji, M., **355,** 635
Stragier, P. *See under* Losick, R., **355,** 601
Strand, A. *See under* Mottonen, J., **355,** 270
Strand, M R. *See under* Grbic, M., **360,** 254
Strang, C R. *See under* Watkins, D I., **357,** 329
Stratford, K. *See under* Larkman, A., **360,** 70
Strathdee, C A. Cloning of cDNAs for Fanconi's anaemia by functional complementation, (*with* Gavish, H, Shannon, W R, Buchwald, M) *Article*, **356,** 763
Cloning of cDNAs for Fanconi's anaemia by functional complementation: Correction, (*with* Gavish, H, Shannon, W R, Buchwald, M) *Letter to Nature*, **358,** 434
Strauss, H. *See under* Des Marais, D J., **359,** 605
Street, R A. *Book review by* Holmes-Siedle, A., **358,** 117
Street-Perrott, F A. Atmospheric methane: Tropical wetland sources, *News and views*, **355,** 23
Strickland, R. *See under* Ebbesmeyer, C C., **360,** 405
Striegl, R G. Consumption of atmospheric methane by desert soils, (*with* McConnaughey, T A, Thorstenson, D C, Weeks, E P, Woodward, J C) *Letter to Nature*, **357,** 145
Stringer, C. Neanderthal dates debated: Reply, *Scientific correspondence*, **356,** 201
Strockbine, L. *See under* Armitage, R J., **357,** 80
Strohman, R C. Gene therapy, *Correspondence*, **355,** 667
Strom, R G. Evidence for single-temperature dust in the Crab nebula from a reanalysis of its infrared spectrum, (*with* Greidanus, H) *Letter to Nature*, **358,** 654
Strom, S E. Planetary formation: Finding circumstellar disks, *News and views*, **359,** 360
Strome, S. Developmental biology: The germ of the issue, *News and views*, **358,** 368
Strominger, J L. *See under* Chicz, R M., **358,** 764
See under Guo, H-C., **360,** 364
Strong, R K. *See under* Stoddard, B L., **360,** 293
Strongin, R A. *See under* Yildirim, T., **360,** 568
Stryer, L. *See under* Bourne, H R., **358,** 541
See under Bourne, H R., **358,** 542
Stryker, M P. Neurobiology: Elements of visual perception, *News and views*, **360,** 301
Strynadka, N C J. Molecular structure of the acyl-enzyme intermediate in ß-lactam hydrolysis at 1.7Å resolution, (*with* Adachi, H, Jensen, S E, Johns, K, Sielecki, A, Betzel, C, Sutoh, K, James, M N G) *Article*, **359,** 700
Stuart, A. *See under* Littler, E., **358,** 160
Stuart, D I. *See under* Jones, E Y., **360,** 232
Stuart, F. *See under* Turner, G., **357,** 581
Stuart, K. *See under* Koslowsky, D J., **356,** 807
Stubbefield, B K. *See under* Tybulewicz, V L J., **357,** 407
Stuckless, J T. *See under* Al-Sarraf, N., **360,** 243
Sturges, W T. Bromoform emission from Arctic ice algae, (*with* Cota, G F, Buckley, P T) *Letter to Nature*, **358,** 660
Sturmbauer, C. Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes, (*with* Meyer, A) *Letter to Nature*, **358,** 578
Sturzenbecker, L J. *See under* Levin, A A., **355,** 359
Stübi, U. *See under* Speiser, D E., **355,** 170
Stühmer, W. *See under* Heinemann, S H., **356,** 441
Stöcker, W. *See under* Bode, W., **358,** 164
Stöckli, K A. *See under* Sendtner, M., **358,** 502
See under Sendtner, M., **360,** 541
Stöffler, D. *See under* Langenhorst, F., **356,** 507
Su, J-G J. *See under* Matzuk, M M., **360,** 313
Su, W -J. Deep origin of mid-ocean-ridge seismic velocity anomalies, (*with* Woodward, R L, Dziewonski, A M) *Letter to Nature*, **360,** 149
Subramanian, K. A cluster of protogalaxies at redshift 3.4?, (*with* Swarup, G) *Letter to Nature*, **359,** 512
Sucheta, A. Diode-like behaviour of a mitochondrial electron-transport enzyme, (*with* Ackrell, B A C, Cochran, B, Armstrong, F A) *Letter to Nature*, **356,** 361
Sues, H-D. No Palaeocene 'mammal-like reptile', *Scientific correspondence*, **359,** 278
. *Book review by* Palmer, D. **360,** 426
Suetsugu, D. *See under* Iidaka, T., **356,** 593
Sugarman, A. *See under* Kiln, M R., **358,** 10
Sugden, D. Antarctic ice sheets at risk?, *News and views*, **359,** 775
Sugden, P H. No improvement in running?, *Scientific correspondence*, **356,** 21
Sugeno, M. *See under* Terano, T., **359,** 788
Sugihara, G. How predictable is chaos? Reply, (*with* May, R M) *Scientific correspondence*, **355,** 26
Sullivan, V. A protein kinase homologue controls phosphorylation of ganciclovir in human cytomegalovirus-infected cells, (*with* Talarico, C L, Stanat, S C, Davis, M, Coen, D M, Biron, K K) *Letter to Nature*, **358,** 162
Sulston, J. The *C. elegans* genome sequencing project: a beginning, (*with* Du, Z, Thomas, K, Hillier, L, Staden, R, Halloran, N, Green, P, Thierry-Mieg, J, Qiu, L, Dear, S, Coulson, A, Craxton, M, Durbin, R, Berks, M, Metzstein, M, Hawkins, T, Ainscough, R, Waterston, R, Wilson, R) *Article*, **356,** 37
Reality of sequencing costs, *Correspondence*, **357,** 106
Sumizawa, T. *See under* Furukawa, T., **356,** 668
Summerfield, M A. Climate and landscape response, (*with* Kirkbride, M P) *Scientific correspondence*, **355,** 306
Summers, F J. *See under* Davis, M., **359,** 393
Summons, R E. *See under* Des Marais, D J., **359,** 605
Sumner, T J. *See under* Cooke, B A., **355,** 61
Sun, F. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Sun, T. Generation of ultrasonic waves from a layered photoacoustic source, (*with* Diebold, G J) *Letter to Nature*, **355,** 806
Sunderland, K. *Journal review of* Biocontrol science and technology, (*Edited by* Payne, C C, **359,** 450
Journal review of Biological control, (*Edited by* Charudattan, R, Lewis, W J, Kaya, H K, Rogers, C E) **359,** 450
Sundquist, E T. *See under* Sarmiento, J L., **356,** 589
Sung, P. Renaturation of DNA catalysed by yeast DNA repair and recombination protein RAD10, (*with* Prakash, L, Prakash, S) *Letter to Nature*, **355,** 743
Surana, U. *See under* Amon, A., **355,** 368
Surman, M J. *See under* Riberdy, J M., **360,** 474
Surprenant, A. *See under* Evans, R J., **357,** 503
Suter, U. *Trembler* mouse carries a point mutation in a myelin gene, (*with* Welcher, A A, Özcelik, T, Snipes, G J, Kosaras, B, Francke, U, Billings-Gagliardi, S, Sidman, R L, Shooter, E M) *Letter to Nature*, **356,** 241
Sutherland, B M. *See under* Quaite, F E., **358,** 576
Sutherland, J C. *See under* Quaite, F E., **358,** 576
Sutherland, S. *Book review of* Perceptual and associative learning (*by* Hall, G) **356,** 118
Book review of Science as salvation: A modern myth and its meaning (*by* Midgley, M) **357,** 550
Book review by Gellner, E., **360,** 384
Book review of The rediscovery of the mind (*by* Searle, J R) **360,** 394
355, 309
Sutherland, W J. Population biology: Genes map the migratory route, *News and views*, **360,** 625
Suthers, G K. *See under* Tinsley, J M., **360,** 591
Sutoh, K. *See under* Strynadka, N C J., **359,** 700
Suwa, G. *See under* Asfaw, B., **360,** 732
Suzuki, S. *See under* Kikuchi, K., **357,** 142
Sverjensky, D A. A linear free energy relationship for crystalline solids and aqueous ions, (*with* Molling, P A) *Letter to Nature*, **356,** 231
Geochemistry: Tracing great fluid migrations, (*with* Garven, G) *News and views*, **356,** 481
Linear free energy relations for predicting dissolution rates of solids, *Letter to Nature*, **358,** 310
Swaffield, J C. Alterations in a yeast protein resembling HIV-*Tat*-binding protein relieve requirement for an acidic activation domain in GAL4, (*with* Bromberg, J F, Johnston, S A) *Letter to Nature*, **357,** 698; *Erratum*, **360,** 768
Swaminathan, S. Crystal structure of staphylococcal enterotoxin B, a superantigen, (*with* Furey, W, Pletcher, J, Sax, M) *Article*, **359,** 801
Swanson, L W. *Journal review of* Frontiers in neuroendocrinology, (*Edited by* Ganong, W E, Martini, L) **359,** 446
Swartz, S M. Wing bone stresses in free flying bats and the evolution of skeletal design for flight, (*with* Bennett, M B, Carrier, D R) *Letter to Nature*, **359,** 726
Swarup, G. *See under* Subramanian, K., **359,** 512
Sweet, R M. *See under* Mottonen, J., **355,** 270
Swiderek, K M. *See under* Mintz, I M., **355,** 827
Swinbanks, D. Artificial environment: Japan builds mini earth, *News*, **355,** 287
Seismology: Tokyo quake, *News*, **355,** 489
Japanese science: Frontiers win, *News*, **355,** 379
International collaboration: Japan leaning towards SSC, *News*, **355,** 8
Japan: Japan vacillates over SSC, *News*, **355,** 193
Japanese satellite: Earth monitor fails, *News*, **355,** 661
Japanese science: Universities win, *News*, **355,** 99
Technology policy: South Korea commits funds, *News*, **355,** 193
See under Aldhous, P., **355,** 755
Japanese collaboration: The rising price of helping Bulgarian science, *News*, **356,** 4
Japanese companies trim spending on research, *News*, **356,** 93
TPA ruling shakes up biotech industry, *News*, **356,** 93
Climate satellites: Another hole in ozone data?, (*with* Anderson, C) *News*, **356,** 99
Solving a fishy problem, *News*, **356,** 99
Japanese researchers rule out gene patents, *News*, **356,** 181
MITI makes its move, cautiously, *News*, **356,** 181
Genome project: Betting on rice, *News*, **356,** 181
Japan stubs its toes on fifth-generation computer, (*with* Anderson, C) *News*, **356,** 273
Talking about a new generation, *News*, **356,** 274
Computer networks: Japanese debate more or better links, *News*, **356,** 550
Who pulled the plug?, *News*, **356,** 551
See under Anderson, C., **356,** 645
Japanese philanthropy: New science institute, *News*, **356,** 647
Japan bioethics: When silence isn't golden, *News*, **356,** 368
Earthquake prediction: Trying to shake Japan's faith in forecasts, *News*, **356,** 464
Vulcanologists seek to understand processes, *News*, **356,** 464
Japan fusion: A steady course towards the next tokamak, *News*, **356,** 468
Helical fusion machine on course, *News*, **356,** 468
Deep-sea drilling: Japan floats big drilling plans, *News*, **356,** 732
Japanese computing: Computing in the real world, (*with* Abbott, A, Mundell, I.) *News*, **356,** 734
See under Anderson, C., **356,** 734
Korea invites West to help it narrow the gap in technology, *News*, **357,** 100
Automated factories ahead, *News*, **357,** 100
See under Mundell, I., **357,** 350
CERN officials visit Tokyo, hat in hand, in search of funds for their next big collider, *News*, **357,** 429
NTT to unhook mobile phones, *News*, **357,** 529
Search for contaminant in EMS outbreak goes slowly, (*with* Anderson, C) *News*, **358,** 96
Japan moves gingerly towards guidelines on gene therapy, *News*, **358,** 6
US companies stand on the sidelines, *News*, **358,** 6
Cray claims foul play in Japan, *News*, **358,** 265
Japanese physicists say SSC will hurt domestic research, *News*, **358,** 266
B-factory tops Japanese wish list, *News*, **358,** 266
MITI prepares to fund cold fusion by another name, *News*, **358,** 268
Japan prepares spending increase, *News*, **358,** 359
Japanese report shows cracks in predicting earthquakes, *News*, **358,** 361
Japan plans furnace reactor to consume Soviet plutonium, *News*, **358,** 362
Japan 'finds' money for research, *News*, **357,** 616
Without a way to measure their success, Japanese projects are very hard to stop, *News*, **357,** 619
Fifth generation project lives on, *News*, **357,** 619
Physical sciences dominate Japan's special grant awards, *News*, **358,** 446
Conflict over scope of research splits Human Frontier programme, (*with* Mervis, J, Abbott, A) *News*, **358,** 527
Japan 'loses' new funds for research infrastructure, *News*, **358,** 530
Human Frontiers looks for leader in Europe; US wavers, (*with* Abbott, A) *News*, **359,** 567
Japan modifies plans for plutonium in wake of protests over shipments, *News*, **359,** 663
How to handle hot plutonium, *News*, **359,** 663
Cold fusion produces heat but no papers, *News*, **359,** 765
Japanese face stiff barriers in recycling of nuclear fuel, *News*, **359,** 766
Japan committed to plutonium at all costs, *News*, **359,** 766
Korea begins funding projects to catch up with rest of world, *News*, **358,** 613
G-7 is wake-up call for KIST, *News*, **358,** 613
Rising toll from AIDs in Japan prompts big jump in spending, *News*, **358,** 699
Japanese open infectious disease lab despite local and national protests, *News*, **358,** 703
Japan wants global guidelines for joint research projects, (*with* Mervis, J, Abbott, A) *News*, **360,** 5
Japanese increase spending on universities, *News*, **360,** 8
Big increase for MITI budget emphasizes energy technology, *News*, **359,** 4
More for space and genome database, *News*, **359,** 4
Rubbia prods Japanese to pay more to CERN, *News*, **359,** 5
Recession forces Japanese industry to cut back on support of universities, *News*, **360,** 98
How not to brave the cold, *News*, **360,** 98
Japanese ministry requests large increase for competitive university grants, *News*, **359,** 96
Japanese scientists begin closed debate on size of contribution to SSC, *News*, **359,** 177
Japan endorses local touch, *News*, **359,** 354
See under Maddox, J., **359,** 573
Freer trade in US oranges helps Japanese researchers, *News*, **360,** 287
Reforms accompany relocations, *News*, **360,** 287
Japan topples tradition with move to foreign reviewers, *News*, **360,** 403
RITE more right for foreigners than Japanese, *News*, **360,** 403
Japan's MITI opens domestic R&D projects to foreign participation, *News*, **360,** 500

Very small plans. *News*, **360**, 500
Swindlehurst, C. *See under* Seubert, P., **359**, 325
Swisher, C C III. *See under* Barrett, P J., **359**, 816
Switzer, C. *See under* Bain, J D., **356**, 537
Sykes, L R. *See under* Pacheco, J F., **355**, 71
Sylvester, H A. *See under* Rinderer, T E., **360**, 305
Symersky, J. *See under* Mottonen, J., **355**, 270
Szanton, A. *Book review by* Bondi, H. **360**, 374
Szasz, F M. *Book review by* Peierls, R. **357**, 290
Szatkowski, M. *See under* Bouvier, M., **360**, 471
Szilak, I. *See under* Yen, T J., **359**, 536
Szostak, J W. *See under* Ellington, A D., **359**, 87
See under Ellington, A D., **359**, 167
See under Ellington, A D., **355**, 850
Szuszkiewicz, E. *See under* Abramowicz, M A., **356**, 41
Taberlet, P. Bear conservation genetics. (*with* Bouvet, J) *Scientific correspondence*, **358**, 197
Tabin, C J. *See under* Morgan, B A., **358**, 236
Tabuchi, J. *See under* Ebbesen, T W., **355**, 620
Taba, Z. *See under* Malinski, T., **358**, 676
Tait, S. The planform of compositional convection and chimney formation in a mushy layer. (*with* Jahrling, K, Jaupart, C) *Letter to Nature*, **359**, 406
Takacs, B. *See under* Cammarota, G., **356**, 799
Takahashi, N. Evidence for melt segregation towards fractures in the Horoman mantle peridotite complex. *Letter to Nature*, **359**, 52
Takano, H. *See under* Overney, R M., **359**, 133
Takano, M. *See under* Azuma, M., **356**, 775
Takao, T. *See under* Kokame, K., **359**, 749
Takazawa, E. Geochemical evidence for melt migration and reaction in the upper mantle. (*with* Frey, F A, Shimizu, N, Obata, M, Bodinier, J L) *Letter to Nature*, **359**, 55
Takeda, J. *See under* Vionnet, N., **356**, 721
Takeda, Y. *See under* Azuma, M., **356**, 775
Takenaka, N. Acceleration of the rate of nitrite oxidation by freezing in aqueous solution. (*with* Ueda, A, Maeda, Y) *Letter to Nature*, **358**, 736
Takenawa, T. *See under* Fukami, K., **359**, 150
Taki, S. *See under* Rajewsky, K., **359**, 371
Takiguchi, M. *See under* Hill, A V S., **360**, 434
Talarico, C L. *See under* Sullivan, V., **358**, 162
Tall, D. *Journal review by* Barnard, T., **359**, 463
Tallack, P. *OED* on CD. *News*, **357**, 615
Tuned into good vibrations. *News and views*, **360**, 21
Talmadge, C. *See under* Fischbach, E., **356**, 207
Tamura, H. *See under* Kondo, T., **358**, 515
Tamura, J. *See under* O'Keefe, S J., **357**, 692
Tamura, T. *See under* Murakami, Y., **360**, 597
Tanabe, T. *See under* Beam, K G., **360**, 169
Tanaka, K. *See under* Fujita, I., **360**, 343
See under Murakami, Y., **360**, 597
Tanaka, T. *See under* Matsuo, E S., **358**, 482
See under Zhang, Y -Q., **360**, 142
See under Wen, X., **355**, 426
See under Annaka, M., **355**, 430
Tang, D-c. Genetic immunization is a simple method for eliciting an immune response. (*with* DeVit, M, Johnston, S A) *Letter to Nature*, **356**, 152
Tanigaki, K. Superconductivity in sodium- and lithium-containing alkali-metal fullerides. (*with* Hirosawa, I, Ebbesen, T W, Mizuki, J, Shimakawa, Y, Kubo, Y, Tsai, J S, Kuroshima, S) *Letter to Nature*, **356**, 419
See under Ebbesen, T W., **355**, 620
Taniguchi, T. *See under* Shibuya, H., **357**, 700
Tanimoto, T. *See under* Zhang, Y-S., **355**, 45
Tanizawa, O. *See under* Kimura, T., **356**, 526
See under Kimura, T., **357**, 176
Tanizawa, Y. *See under* Froguel, Ph., **356**, 162
See under Froguel, Ph., **357**, 607
Tanner, M J A. *See under* Schofield, A E., **355**, 836
Tans, P P. *See under* Steele, L P., **358**, 313
Targett, G. , *Book review by* Goodwin, L. **356**, 300
Tarkowski, T. *See under* Malone, R E., **359**, 154
Tarleton, R L. Susceptibility of ß2-microglobulin-deficient mice to *Trypanosoma cruzi* infection. (*with* Koller, B H, Latour, A, Postan, M) *Letter to Nature*, **356**, 338
Tasaka, Y. *See under* Murata, N., **356**, 710
See under Murata, N., **357**, 607
Tassabehji, M. Waardenburg's syndrome patients have mutations in the human homologue of the *Pax-3* paired box gene. (*with* Read, A P, Newton, V E, Harris, R, Balling, R, Gruss, P, Strachan, T) *Letter to Nature*, **355**, 635
Tate, M E. A mess of red pottage. (*with* Enneking, D) *Commentary*, **359**, 357
Tatsuka, M. Elongation factor-1α gene determines susceptibility to transformation. (*with* Mitsui, H, Wada, M, Nagata, A, Nojima, H, Okayama, H) *Letter to Nature*, **359**, 333
Tauber, A I. *Book review by* Rosen, F S. **356**, 119
Taubert, H. *See under* Rothe, M., **359**, 156
Tavani, M. The origin of planets orbiting millisecond pulsars. (*with* Brookshaw, L) *Letter to Nature*, **356**, 320
Tayler, R J. *Book review by* Schramm, D N. **356**, 298 **356**, 395
Book review of A concise dictionary of astronomy (*by* Mitton, J) **356**, 395
Book review of Structure and evolution of single and binary stars (*by* de Loore, C W H) **360**, 120
Taylor, A N. The spectrum of cosmological density fluctuations and nature of dark matter. (*with* Rowan-Robinson, M) *Letter to Nature*, **359**, 396
Taylor, A R. *See under* Dougherty, S M., **359**, 808
Taylor, H W. *See under* Singh, B., **356**, 293
Taylor, J H. *See under* Thompson, D J., **359**, 615
Experimental constraints on strong-field relativistic gravity. (*with* Wolszczan, A, Damour, T, Weisberg, J M) *Article*, **355**, 132
Taylor, R. *See under* Birkett, P R., **357**, 479
No lubricants from fluorinated C_{60}. (*with* Avent, A G, Dennis, T J, Hare, J P, Kroto, H W, Walton, D R M, Holloway, J H, Hope, E G, Langley, G J) *Scientific correspondence*, **355**, 27
Taylor, R C. *See under* Munson, P J., **360**, 636
Taylor, S R. Archaean geology. Vestiges of a beginning?, *News and views*, **360**, 710
Taylor, T C. *See under* Boman, A L., **358**, 512
Taylor, T N. Parasitism in a 400-million-year-old green alga. (*with* Remy, W, Hass, H) *Letter to Nature*, **357**, 493
Taylor, W. Protein structure: New paths from dead ends. *News and views*, **356**, 478
Taylor, W R. *See under* Jones, D T., **358**, 86
te Riele, H. *See under* Clarke, A R., **359**, 328
Tedesco, K. *See under* Bond, G., **360**, 245
Teller, D Y. *See under* Windercickx, J., **356**, 431
Temperley, H N V. *Book review of* Science and Religion: Some Historical Perspectives (*by* Brooke, J H) **359**, 685
Temple, R. *Book review of* Natural knowledge in preclassical antiquity (*by* Greene, M T) **357**, 204
Book review of History of animals (3 volumes) ; parts of animals, movement of animals, progression of animals (1 volume) ; generation of animals (1 volume) (*by* Aristotle) **359**, 489
Book review of Enquiry into plants, on odours, on weather-signs (2 volumes) ; *De causis plantarum* (3 volumes) (*by* Theophrastus) **359**, 489
Book review of Theophrastus: His psychological, doxographical and scientific writings (*by* Fortenbaugh, W) **359**, 489
Templeton, E M J. *See under* McConnell, J C., **355**, 150
Tenne, R. Polyhedral and cylindrical structures of tungsten disulphide. (*with* Margulis, L, Genut, M, Hodes, G) *Letter to Nature*, **360**, 444
Teo, B K. *Journal review by* Cahn, R W., **359**, 456
Teplow, D B. *See under* Haass, C., **359**, 322
Terano, T. *Book review by* Mamdani, E H. **359**, 788
Terborgh, J. *Book review by* Colinvaux, P. **356**, 625
Terlau, H. *See under* Heinemann, S H., **356**, 441
Terray, E A. *See under* Agrawal, Y C., **359**, 219
Terstappen, L W M M. *See under* Huang, S., **360**, 745
Tessman, I. How rare is rare?, *Correspondence*, **358**, 365
Teter, M. *See under* Lenosky, T., **355**, 333
Tête-Favier, F. *See under* Rondeau, J-M., **355**, 469
Teukolsky, S A. *See under* Rasio, F A., **355**, 325
Thain, J F. *See under* Wildon, D C., **360**, 62
Thaller, C. *See under* Hogan, B L M., **359**, 237
Thatcher, W. Earth sciences: Does the mid-crust flow?, *News and views*, **358**, 454
Thelen, M. *See under* Hartwig, J H., **356**, 618
Theophrastus. *Book review by* Temple, R. **359**, 489
Thibodeau, S N. *See under* Powell, S M., **359**, 235
Thiel, F A. *See under* Kortan, A R., **360**, 566
See under Kortan, A R., **355**, 529
Thiemann, A. A chloride channel widely expressed in epithelial and non-epithelial cells. (*with* Gründer, S, Pusch, M, Jentsch, T J) *Letter to Nature*, **356**, 57
See under Gründer, S., **360**, 759
Thierry, A. *See under* Oliver, S G., **357**, 38
Thierry-Mieg, J. *See under* Sulston, J., **356**, 37
Thiessen, J W. *See under* Shigematsu, I., **359**, 680
Thireos, G. *See under* Oliver, S G., **357**, 38
Thoenen, H. *See under* Sendtner, M., **358**, 502
See under Sendtner, M., **360**, 541
See under Sendtner, M., **360**, 757
Thomas, A. *See under* Balmford, A., **359**, 487
Thomas, G. *See under* Delattre, O., **359**, 162
Thomas, J M. , *Book review by* Burch, R. **356**, 671
Thomas, K. *See under* Sulston, J., **356**, 37
Thomas, L. *Book review by* Klein, G. **358**, 115
Thomas, S. *See under* Rozakis-Adcock, M., **360**, 689
Thompson, A B. Water in the Earth's upper mantle. *Review article*, **358**, 295
Thompson, C. *See under* Forscher, P., **357**, 515
Thompson, C V. *Book review of* The materials science of thin films (*by* Ohring, M) **357**, 292
Thompson, D J. *See under* Bertsch, D L., **357**, 306
Pulsed high-energy γ-rays from the radio pulsar PSR1706-44. (*with* Arzoumanian, Z, Bertsch, D L, Brazier, K T S, D'Amico, N, Fichtel, C E, Fierro, J M, Hartman, R C, Hunter, S D, Johnston, S, Kanbach, G, Kaspi, V M, Knifferi, D A, Lin, Y C, Lyne, A G, Manchester, R N, Mattox, J R, Mayer-Hasselwander, H A, Michelson, P F, Montigny, C v, Nel, H I, Nice, D, Nolan, P L, Pinkau, K, Rothermel, H, Schneid, E J, Sommer, M, Sreekumar, P, Taylor, J H) *Letter to Nature*, **359**, 615
Thompson, J D. *See under* Stephens, P W., **355**, 331
See under Stephens, P W., **355**, 331
Thompson, J N. Gene-for-gene coevolution between plants and parasites. (*with* Burdon, J J) *Review article*, **360**, 121
Thompson, L T. Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine. (*with* Moskal, J R, Disterhoft, J F) *Letter to Nature*, **359**, 638
Thompson, M E. *See under* Vermeulen, L A., **358**, 656
Thompson, R. *See under* Segal, D., **357**, 280
Thompson, R D. **359**, 115
Thompson, R J. *See under* McIntosh, P S., **360**, 322
Thompson, S L. *See under* Bonan, G B., **359**, 716
Thomson, A. , *Book review by* Balkwill, F. **360**, 28
Thomson, J. *See under* Colodner, D C., **358**, 402
Thomson, J N. *See under* White, J G., **355**, 838
Thomssen, C. *See under* Wank, R., **356**, 22
Thornberry, N A. A novel heterodimeric cysteine protease is required for interleukin-1ß processing in monocytes. (*with* Bull, H G, Calaycay, J R, Chapman, K T, Howard, A D, Kostura, M J, Miller, D K, Molineaux, S M, Weidner, J R, Aunins, J, Elliston, K O, Ayala, J M, Casano, F J, Chin, J, Ding, G J-F, Egger, L A, Gaffney, E P, Limjuco, G, Palyha, O C, Raju, S M, Rolando, A M, Salley, J P, Yamin, T-T, Lee, T D, Shively, J E, MacCross, M, Mumford, R A, Schmidt, J A, Tocci, M J) *Article*, **356**, 768
Thornley, R N F. Nitrogen fixation: New light on nitrogenase. *News and views*, **360**, 532
Thorner, J. *See under* Gimble, F S., **357**, 301
Thornton, G B. *See under* Duchosal, M A., **355**, 258
Thornton, J M. *See under* Jones, D T., **358**, 86
Thorsby, E. *See under* Helland, Å., **356**, 23
Thorsett, S E. Identification of the pulsar PSR1509-58 with the 'guest star' of AD 185. *Letter to Nature*, **356**, 690
Thorson, P H. *See under* Ancel, A., **360**, 336
Thorstenson, D C. *See under* Striegl, R G., **357**, 145
Thurston, W P. *Journal review by* Barnard, T., **359**, 463
Tianyuan, L. New Middle Pleistocene hominid crania from Yunxian in China. (*with* Etler, D A) *Letter to Nature*, **357**, 404
Tickle, C. Vertebrate development: A tool for transgenesis. *News and views*, **358**, 188
Tickle, I J. *See under* Dhanaraj, V., **357**, 466
Tiedemann, R. *See under* Eglinton, G., **356**, 423
Tighe, J E. *See under* Daga, A., **356**, 484
Timms, E. *See under* Molina, T J., **357**, 161
Tinsley, J M. Primary structure of dystrophin-related protein. (*with* Blake, D J, Roche, A, Fairbrother, U, Riss, J, Byth, B C, Knight, A E, Kendrick-Jones, J, Suthers, G K, Love, D R, Edwards, Y H, Davies, K E) *Letter to Nature*, **360**, 591
Tiret, L. *See under* Cambien, F., **359**, 641
Title, A M. *See under* Muller, R., **356**, 322
Tiveron, M-C. Selective inhibition of neurite outgrowth on mature astrocytes by Thy-1 glycoprotein. (*with* Barboni, E, Pliego Rivero, F B, Gormley, A M, Seeley, P J, Grosveld, F, Morris, R) *Letter to Nature*, **355**, 745
Tjian, R. *See under* Peterson, M G., **358**, 620
Tobias, P V. 'Blue ostriches' captured. (*with* Dowson, T A, Lewis-Williams, J D) *Correspondence*, **358**, 185
Tocchini-Valentini, G P. Frontiers future, *Correspondence*, **358**, 618
Tocci, M J. *See under* Thornberry, N A., **356**, 768
See under O'Keefe, S J., **357**, 692
Toda, F. *See under* Ueno, A., **356**, 136
Todd, A P. *See under* Miick, S M., **359**, 653
Toggweiler, J R. Carbon cycle: Catalytic conversions. *News and views*, **356**, 665
Tokiyoshi, S. *See under* Emini, E A., **355**, 728
Tollervey, D. *See under* Luirink, J., **359**, 741
Tomei, L D. , *Book review by* Williams, G T. **356**, 28
Tomita, J K. *See under* Vazeux, R., **360**, 485
Tomita-Yamaguchi, M. *See under* Franzoso, G., **359**, 339
Tommasini, S. *See under* Halliday, A N., **359**, 623
Tompkins, G J. *See under* Lindsey, C., **358**, 308
Tomé, F M S. *See under* Matsumura, K., **359**, 320
Ton, C C T. *See under* Hill, R E., **355**, 750
Tonegawa, S. *See under* Mombaerts, P., **360**, 225
See under Mombaerts, P., **360**, 491
Tonomura, A. *See under* Harada, K., **360**, 51
Toole, J J. *See under* Bock, L C., **355**, 564
Tootell, R B H. *See under* Born, R T., **357**, 497
Tooze, J. *See under* Vaux, D., **360**, 372
Torpey, N. Function of maternal cytokeratin in *Xenopus* development. (*with* Wylie, C C, Heasman, J) *Letter to Nature*, **357**, 413
Tournilhac, F. Ferroelectric liquid crystals from achiral molecules. (*with* Blinov, L M, Simon, J, Yablonsky, S V) *Letter to Nature*, **359**, 621
Townsend, A. Antigen processing: A new presentation pathway?. *News and views*, **356**, 386
See under Kleijmeer, M J., **357**, 342
See under Kelly, A., **355**, 641
See under Spies, T., **355**, 644
Townsend, A R M. *See under* Hill, A V S., **360**, 434
Townsend, D W. Spring phytoplankton blooms in the absence of vertical water column stratification. (*with* Keller, M D, Sieracki, M E, Ackleson, S G) *Letter to Nature*, **360**, 59
Tran, P. *See under* Zhang, X-k., **358**, 587
Tran, P B-V. *See under* Zhang, X-k., **355**, 441
Traunecker, A. *See under* Weber, S., **356**, 793
Traversaro, P. *See under* Hodgson, A., **356**, 501
Traynelis, S F. *See under* Silver, R A., **355**, 163
See under Miller, B., **355**, 722
Treacy, G M. *See under* Gustafsson, G., **357**, 477
Tredoux, M. *See under* de Wit, M J., **357**, 553
Trefil, J S. *See under* Morowitz, H J., **360**, 379
Tremblay, M L. *See under* Tybulewicz, V L J., **357**, 407
Trepte, C R. Tropical stratospheric circulation deduced from

satellite aerosol data. (*with* Hitchman, M H) *Letter to Nature*, **355,** 626
Tresider, D A. *See under* Radojevic, M., **356,** 391
Trevor, P L. *See under* Kortan, A R., **360,** 566
Trewavas, A J. *See under* Shacklock, P S., **358,** 753
Trimble, S. *See under* Looker, D., **356,** 258
Troup, G M. *See under* Watkins, D L., **357,** 329
Trowsdale, J. *See under* Kleijmeer, M J., **357,** 342
See under Kelly, A., **355,** 641
Trumbore, S. *See under* van Geen, A., **358,** 54
Trumbore, S E. *See under* Lao, Y., **357,** 576
Trunfio, P. *See under* Larrakle, H., **355,** 423
Trusten, W. Catching AIDS. *Correspondence*, **358,** 705
Trümper, J. *See under* Lloyd, H M., **356,** 222
Tsai, F C S. Brain size differences. *Correspondence*, **359,** 181
Tsai, J S. *See under* Tanigaki, K., **356,** 419
See under Ebbesen, T W., **355,** 620
Tsai, L-H. *See under* Cao, L., **355,** 176
Tsai, W-P. *See under* Nara, P., **360,** 215
Tsai, W-Y. *See under* Pereta, F P., **360,** 256
Tsien, R W. *See under* Malgaroli, A., **357,** 134
Tsiftsis, C. *See under* Aslanidis, C., **355,** 548
Tsong, T T. Atomic replacement and vacancy formation and annihilation on iridium surfaces. (*with* Chen, C-L) *Letter to Nature*, **355,** 328
Tsonis, A A. Oscillating global temperature. (*with* Elsner, J B) *Scientific correspondence*, **356,** 751
Nonlinear prediction as a way of distinguishing chaos from random fractal sequences. (*with* Elsner, J B) *Letter to Nature*, **358,** 217
Tsubata, T. *See under* Murakami, M., **357,** 77
Tsukamoto, K. Discovery of the spawning area for Japanese eel. *Letter to Nature*, **356,** 789
Tsurutani, B T. Tweaking the magnetosphere. (*with* Gonzalez, W D) *Scientific correspondence*, **358,** 26
Tsutsumi, Y. *See under* Okada, K., **355,** 120
Tuchollka, P. *See under* Valet, J-P., **356,** 400
Tuckwell, H C. World population. (*with* Koziol, J A) *Scientific correspondence*, **359,** 200
Tudge, C. **359,** 683
Book review of Wildlife Research and Management in the National Parks (*by* Wright, R G) **359,** 683
Tugrul, S. Changes in the hydrochemistry of the Black Sea inferred from water density profiles. (*with* Basturk, O. Saydam, C. Yilmaz, A) *Letter to Nature*, **359,** 137
Tura, S. *See under* Baccarani, M., **356,** 188
Turck, C W. *See under* Biobel, C P., **356,** 248
Turco, R P. *See under* Cicerone, R J., **356,** 472
See under Vogelmann, A M., **359,** 47
Turley, H. *See under* Fawcett, J., **360,** 481
Turner, B L II. . *Book review by* Rosenzweig, C. **355,** 781
Turner, B S. *See under* Bhaskar, K R., **360,** 458
Turner, D. Ethical problems in the genes. *Correspondence*, **357,** 355
Turner, D L. Text readability. *Correspondence*, **357,** 622
Turner, E C. *See under* Peebles, P J E., **357,** 288
Turner, G. Helium/heat ratios and deposition temperatures of sulphides from the ocean floor. (*with* Stuart, F) *Letter to Nature*, **357,** 581
358, 293
Turner, J. *See under* Chapman, S., **359,** 207
Turtle, A J. *See under* Staveley-Smith, L., **355,** 147
Tutt, L W. Optical limiting performance of C_{60} and C_{70} solutions. (*with* Kost, A) *Letter to Nature*, **356,** 225
Tybulewicz, V L J. Animal model of Gaucher's disease from targeted disruption of the mouse glucocerebrosidase gene. (*with* Tremblay, M L, LaMarca, M E, Willemsen, R, Stubblefield, B K, Winfield, S, Zablocka, B, Sidransky, E, Martin, B M, Huang, S P, Mintzer, K A, Westphal, H, Mulligan, R C, Ginns, E I) *Letter to Nature*, **357,** 407
Tycko, R. *See under* Rosscinsky, M J., **356,** 416
Tyrrell, G J. *See under* Stein, P E., **355,** 748
Tyson, J J. *Book review of* Chemical chaos (*by* Scott, S K) **356,** 394
See under Segel, L., **357,** 106
Tytgat, J. Evidence for cooperative interactions in potassium channel gating. (*with* Hess, P) *Letter to Nature*, **359,** 420
Tzermia, M. *See under* Oliver, S G., **357,** 38
Tzioumis, A K. *See under* Staveley-Smith, L., **355,** 147
Uchanska-Ziegler, B. *See under* Kelly, A., **355,** 641
Uchino, O. *See under* Okada, K., **355,** 120
Ueda, A. *See under* Tekenaka, N., **358,** 736
Ueno, A. A modified cyclodextrin as a guest responsive colour-change indicator. (*with* Kuwabara, T, Nakamura, A, Toda, F) *Letter to Nature*, **356,** 136
Ugarte, D. Curling and closure of graphitic networks under electron-beam irradiation. *Letter to Nature*, **359,** 707
Uhlenbeck, O C. *See under* Pan, T., **358,** 560
Ulick, S. *See under* Lifton, R P., **355,** 262
Ulman, J D. *See under* Aho, A V., **359,** 206
Ulloa, O. *See under* Platt, T., **356,** 229
Ulbrich, A. *See under* Margolis, B., **356,** 71
Umemura, K. *See under* Arakawa, H., **358,** 171
Umesono, K. *See under* Kliewer, S A., **358,** 771
See under Kliewer, S A., **355,** 446
Unwin, T. *Journal review by* Goswell, R., **359,** 449
Urbach, E. Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation. (*with* Robertson, D L, Chisholm, S W) *Letter to Nature*, **355,** 267
Urban, J F. *See under* Röcken, M., **359,** 79
Urban, R G. *See under* Chicz, R M., **358,** 764
Urbina, C. *See under* Devoret, M H., **360,** 547
Urrestarazu, L A. *See under* Oliver, S G., **357,** 38
Urrutia-Fucugauchi, J. *See under* Sharpton, V L., **359,** 819
Ursic, D. Is yeast TCP1 a chaperonin?. (*with* Culbertson, M R) *Scientific correspondence*, **356,** 392
Usov, V V. Millisecond pulsars with extremely strong magnetic fields as a cosmological source of gamma-ray bursts. *Letter to Nature*, **357,** 472
Utterback, T R. *See under* Adams, M D., **355,** 632
Urquiano, P. *See under* Valladas, H., **357,** 68
Uzzell, T. *See under* Spolsky, C M., **356,** 706
Valdecasas, A G. *See under* Bello, E., **357,** 531
Valdés, V C. *See under* Valladas, H., **357,** 68
Vale, R D. *See under* Goldstein, L S B., **359,** 193
Valet, J-P. Palaeomagnetic constraints on the geometry of the geomagnetic field during reversals. (*with* Tucholka, P, Courtillot, V, Meynadier, L) *Article*, **356,** 400
Valge-Archer, V E. *See under* Jain, J., **356,** 801
Valladas, H. Direct radiocarbon dates for prehistoric paintings at the Altamira, El Castillo and Niaux caves. (*with* Cachier, H, Maurice, P, Bernaldo de Quiros, F, Clottes, J, Valdés, V C, Uzquiano, P, Arnold, M) *Letter to Nature*, **357,** 68
Valle, G. *See under* Oliver, S G., **357,** 38
Vallee, R B. *See under* Holzbaur, E L F., **360,** 695
See under Shpetner, H S., **355,** 733
Valtorta, F. *See under* Benfenati, F., **359,** 417
Valverde, M A. Volume-regulated chloride channels associated with the human multidrug-resistance P-glycoprotein. (*with* Diaz, M, Sepúlveda, F V) *Letter to Nature*, **355,** 830
Van Broeckhoven, C. *See under* Kempenaers, B., **357,** 494
Van Couvering, J. *See under* Conroy, G C., **356,** 144
van de Heuvel, E P J. *See under* van Kerkwijk, M H., **355,** 703
van de Wal, Y. *See under* Momburg, F., **360,** 174
Van den Broeck, M. *See under* Kempenaers, B., **357,** 494
van den Heuvel, E P J. Pulsar planets. *Scientific correspondence*, **356,** 668
See under Wuers, R A M J., **355,** 593
van der Aart, Q J M. *See under* Oliver, S G., **357,** 38
van der Eerden, J P. *See under* Liu, X-Y., **356,** 778
van der Klis, M. *See under* van Kerkwijk, M H., **355,** 703
van der Linden, C G. *See under* Oliver, S G., **357,** 38
van der Lugt, N M T. *See under* Clarke, A R., **359,** 328
van der Valk, M. *See under* Clarke, A R., **359,** 328
van der Wal, S W A. *See under* Jonkers, G., **355,** 63
See under Jonkers, G., **355,** 63
van der Werf, P P. *See under* Eckart, A., **355,** 526
van Deurs, B. *See under* Sandvig, K., **358,** 510
Van Dorsselaer, A. *See under* Multigner, L., **360,** 33
Van Dover, C L. Deep-sea amphipod swarms. (*with* Kaartvedt, S, Bollens, S M, Wiebe, P H, Martin, J W, France, S C) *Scientific correspondence*, **358,** 25
Stable isotope evidence for entry of sewage-derived organic material into a deep-sea food web. (*with* Grassle, J F, Fry, B, Garritt, R H, Starczak, V R) *Letter to Nature*, **360,** 153
van Ewijk, W. *See under* Molina, T J., **357,** 161
van Geen, A. Evidence from Cd/Ca ratios in foraminifera for greater upwelling off California 4,000 years ago. (*with* Luoma, S N, Fuller, C C, Anima, R, Clifton, H E, Trumbore, S) *Letter to Nature*, **358,** 54
van Grondelle, R. *See under* Fowler, G J S., **355,** 848
van Hateren, J H. Real and optimal neural images in early vision. *Letter to Nature*, **360,** 68
van Heyningen, V. *See under* Hill, R E., **355,** 750
van Hoof, A A M. *See under* Langereis, C G., **358,** 226
van Kerkwijk, M H. Infrared helium emission lines from Cygnus X-3 suggesting a Wolf-Rayet star companion. (*with* Charles, P A, Geballe, T R, King, D L, Miley, G K, Molnar, L A, van de Heuvel, E P J, van der Klis, M, van Paradijs, J) *Letter to Nature*, **355,** 703
van Kerkwuk, M H. *See under* Wuers, R A M J., **355,** 593
van Noort, J M. Peptides bound to MHC. *Scientific correspondence*, **357,** 120
van Paradijs, J. *See under* van Kerkwijk, M H., **355,** 703
Van Riper, K A. *See under* Link, B., **359,** 616
van Roon, M. *See under* Clarke, A R., **359,** 328
van Saaten, R A. *See under* Jonkers, G., **355,** 63
See under Jonkers, G., **355,** 63
van Tilburgh, H. Structure of the pancreatic lipase-procolipase complex. (*with* Sarda, L, Verger, R, Cambillau, C) *Letter to Nature*, **359,** 159
Van Tol, H H M. Multiple dopamine D4 receptor variants in the human population. (*with* Wu, C M, Guan, H-C, Ohara, K, Bunzow, J R, Civelli, O, Kennedy, J, Seeman, P, Niznik, H B, Jovanovic, V) *Letter to Nature*, **358,** 149
See under Lichter, J B., **360,** 424
Van Tongeren, T. *See under* Buxton, J., **355,** 547
Van Valen, L M. Sizing-up the brain. *Correspondence*, **359,** 768
van Vliet-Reedijk, J C. *See under* Oliver, S G., **357,** 38
Van Voorhies, W A. Production of sperm reduces nematode lifespan. *Letter to Nature*, **360,** 456
van Weering, T C E. *See under* Duplessy, J C., **358,** 485
Van Winckel, H. Evidence from zinc abundances for dust fractionation in chemically peculiar stars. (*with* Mathis, J S, Waelkens, C) *Letter to Nature*, **356,** 500
Vande Woude, G F. *See under* Yew, N., **355,** 649
Vanek, Z. Science in Czechoslovakia. *Correspondence*, **357,** 10
Vaniman, D T. . *Book review by* Turner, G. **358,** 293
Vanterpool, A. Japanese success. *Correspondence*, **356,** 374
VanWinkle-Swift, K P. Molecular biology: *Chlamydomonas* surrenders. *News and views*, **358,** 106
Vargha-Khadem, F. *See under* Braddick, O., **360,** 461
Varney, M. **355,** 122
Varricchio, D J. *See under* Horner, J R., **358,** 59
Vartuli, J C. *See under* Kresge, C T., **359,** 710
Vasavada, A. *See under* Aso, T., **355,** 461
Vassallo, A M. *See under* Wilson, M A., **355,** 117
See under McKenzie, D R., **355,** 622
See under Wilson, M A., **355,** 117
Vassart, G. *See under* Parmentier, M., **355,** 453
Vaux, D. Retraction: Identification by anti-idiotype antibodies of an intracellular membrane protein that recognizes a mammalian endoplasmic reticulum retention signal. (*with* Tooze, J, Fuller, S) *Article*, **360,** 372
Vaxillaire, M. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
Vayseix, G. *See under* Chumakov, I., **359,** 380
See under Weissenbach, J., **359,** 794
Vazeux, R. Cloning and characterization of a new intercellular adhesion molecule ICAM-R. (*with* Hoffman, P A, Tomita, J K, Dickinson, E S, Jasman, R L, St John, T, Gallatin, W M) *Letter to Nature*, **360,** 485
Veillette, A. *See under* Molina, T J., **357,** 161
See under Haughn, L., **358,** 328
Veizer, J. Atmospheric evolution: Life and the rock cycle. *News and views*, **359,** 587
Velho, G. *See under* Froguel, Ph., **356,** 162
See under Vionnet, N., **356,** 721
See under Froguel, Ph., **357,** 607
Velona, F. *See under* Paoletti, P., **355,** 290
Venema, V J. *See under* Mintz, I M., **355,** 827
Venter, J C. *See under* Adams, M D., **357,** 367
See under Adams, M D., **355,** 632
Verger, R. *See under* van Tilbeurgh, H., **359,** 159
Verheyen, G R. *See under* Kempenaers, B., **357,** 494
Vermaas, E H. *See under* Bock, L C., **355,** 564
Vermeulen, L A. Stable photoinduced charge separation in layered viologen compounds. (*with* Thompson, M E) *Letter to Nature*, **358,** 656
Veron, M. *See under* Simon, M-N., **356,** 171
Verstuyft, J G. *See under* Lawn, R M., **360,** 670
Verweij-van Vught, A M J J. *See under* Otto, B R., **358,** 23
Vessal, B. Cation microsegregation and ionic mobility in mixed alkali glasses. (*with* Greaves, G N, Marten, P T, Chadwick, A V, Mole, R, Houde-Walter, S) *Letter to Nature*, **356,** 504
Vetrella, S. *See under* Pacini, F., **359,** 10
Vetter, I. *See under* Oliver, S G., **357,** 38
Veum, T. Water mass exchange between the North Atlantic and the Norwegian Sea during the past 28,000 years. (*with* Jansen, E, Arnold, M, Beyer, I, Duplessy, J-C) *Letter to Nature*, **356,** 783
Vidale, J E. Upper-mantle seismic discontinuities and the thermal structure of subduction zones. (*with* Benz, H M) *Article*, **356,** 678
A sharp and flat section of the core-mantle boundary. (*with* Benz, H M) *Letter to Nature*, **359,** 627
Viezzoli, M S. *See under* Getzoff, E D., **358,** 347
Vignal, A. *See under* Chumakov, I., **359,** 380
See under Weissenbach, J., **359,** 794
Vignali, D A A. *See under* Chicz, R M., **358,** 764
Vigneau, J. *See under* Muller, R., **356,** 322
Vigo-Peffrey, C. *See under* Haass, C., **359,** 322
See under Seubert, P., **359,** 325
See under Citron, M., **360,** 672
Vile, R G. *Book review of* The transformed cell: Unlocking the mysteries of cancer (*by* Rosenberg, S A) **360,** 219
359, 491
359, 491
Villeneuve, J-P. *See under* Readman, J W., **358,** 662
Vine, F J. *See under* Glover, P W J., **360,** 723
Vinnik, L P. *See under* Makeyeva, L I., **358,** 144
Vionnet, N. *See under* Froguel, Ph., **356,** 162
Nonsense mutation in the glucokinase gene causes early-onset non-insulin-dependent diabetes mellitus. (*with* Stoffel, M, Takeda, J, Yasuda, K, Bell, G I, Zouali, H, Lesage, S, Velho, G, Iris, F, Passa, Ph, Froguel, Ph, Cohen, D) *Letter to Nature*, **356,** 721
See under Froguel, Ph., **357,** 607
Virieux, J. *See under* Sornette, D., **357,** 401
Visconti, G. *See under* .. **356,** 188
Visschers, R W. *See under* Fowler, G J S., **355,** 848
Viswanathan, R. *See under* Garnacs, J., **357,** 54
Voet, M. *See under* Oliver, S G., **357,** 38
Vogel, L K. *See under* Delmas, B., **357,** 417
Vogel, S. *Book review by* Weatherall, D. **358,** 720
See under Reimers, D., **360,** 561
Vogel, S N. *See under* Kulkarni, S R., **360,** 139
Vogelmann, A M. Enhancements in biologically effective ultraviolet radiation following volcanic eruptions. (*with* Ackerman, T P, Turco, R P) *Letter to Nature*, **359,** 47
Vogelstein, B. *See under* Oliner, J D., **358,** 80
See under Powell, S M., **359,** 235
Cancer: Carcinogens leave fingerprints. (*with* Kinzler, K W) *News and views*, **355,** 209
See under Sidransky, D., **355,** 846
Vogler, C A. *See under* Wolfe, J H., **360,** 749
Volckaert, G. *See under* Oliver, S G., **357,** 38
Volk, T. When climate and life devolve. *News and views*, **360,** 707
Volkmuth, W D. DNA electrophoresis in microlithographic

arrays, (*with* Austin, R H) *Letter to Nature*, **358,** 600
Vollrath, F. Sexual dimorphism and distorted sex ratios in spiders, (*with* Parker, G A) *Letter to Nature*, **360,** 156
Volz-Thomas, A. *See under* Brenninkmeijer, C A M., **356,** 50
von Bitter, P H. *See under* Purnell, M A., **359,** 629
von Hoegen, P. *See under* Wheeler, C J., **357,** 247
von Rüden, L. *See under* Chow, R H., **356,** 60
von Wettstein, D. *See under* Oliver, S G., **357,** 38
Vonkeman, K A. *See under* Jonkers, G., **355,** 63
See under Jonkers, G., **355,** 63
Vooijs, M. *See under* Aslanidis, C., **355,** 548
Vos, W L. A high-pressure van der Waals compound in solid nitrogen-helium mixtures, (*with* Finger, L W, Hemley, R J, Hu, J Z, Mao, H K, Schouten, J A) *Letter to Nature*, **358,** 46
Voytas, D F. Yeast retrotransposon revealed, (*with* Boeke, J D) *Scientific correspondence*, **358,** 717
Vrbová, G. Motor neuron disease model, (*with* Greensmith, L, Sieradzan, K) *Scientific correspondence*, **360,** 216
Vreken, P. *See under* Oliver, S G., **357,** 38
Vuillier, F. *See under* Lafon, M., **358,** 507
Vukmanovic, S. Positive selection of T-lymphocytes induced by intrathymic injection of a thymic epithelial cell line, (*with* Grandea III, A G, Faas, S J, Knowles, B B, Bevan, M J) *Letter to Nature*, **359,** 729
Wabl, M. Allelic exclusion model questioned, (*with* Steinberg, C) *Scientific correspondence*, **359,** 370
Wackett, L P. *See under* Blocki, F A., **360,** 269
Wada, A. What frontiers for Frontier?, *Commentary*, **357,** 356
Wada, M. *See under* Tatsuka, M., **359,** 333
Wadus, R S. *See under* ., **356,** 395
Wade, D P. *See under* Lawn, R M., **360,** 670
Wadsworth, J. *See under* Johnson, A M., **360,** 410
Waelkens, C. *See under* Van Winckel, H., **356,** 500
Wagenbach, D. *See under* Oerter, H., **358,** 399
Wagner, E F. *See under* Wang, Z-Q., **360,** 741
Wagner, G. *See under* Baleja, J D., **356,** 450
Wagner, S. *See under* Kim, S-J., **358,** 331
Wainscoat, J S. *See under* Lo, Y-M D., **359,** 784
Waitt, R B. Curved saplings at Mt St Helens. *Scientific correspondence*, **357,** 449
Wakabayashi, T. *See under* Kikuchi, K., **357,** 142
Wakeham, A. *See under* Molina, T J., **357,** 161
Wakeland, E K. *See under* Potts, W K., **356,** 294
See under Manning, C J., **360,** 581
Waksman, B H. Journalists in labs. *Correspondence*, **358,** 102
Waksman, G. Crystal structure of the phosphotyrosine recognition domain SH2 of v-*src* complexed with tyrosine-phosphorylated peptides, (*with* Kominos, D, Robertson, S C, Pant, N, Baltimore, D, Birge, R B, Cowburn, D, Hanafusa, H, Mayer, B J, Overduin, M, Resh, M D, Rios, C B, Silverman, L, Kuriyan, J) *Article*, **358,** 646
Walden, P. *See under* Momburg, F., **360,** 174
Walker, J C G. *See under* Sloan, L C., **357,** 320
Walker, M. Myths of the German atom bomb, *Commentary*, **359,** 473
Walker, M J C. *See under* Bell, M., **359,** 787
Walker, W. *Book review of* Stopping the spread of nuclear weapons: The past and prospects (*by* Fischer, D) **356,** 669
356, 669
Walkinshaw, M D. *See under* Kallen, J., **356,** 24
Wall, P D. *Book review by* Duggan, A W., **356,** 120
Wallace, A. Beyond silver staining, (*with* Saluz, H) *Product review*, **357,** 608
Wallace, D W R. Large air-sea gas fluxes associated with breaking waves, (*with* Wirick, C D) *Letter to Nature*, **356,** 694
Wallace, G. *See under* Brenninkmeijer, C A M., **356,** 50
Wallace, J. *Book review by* Oakley, B. **359,** 25
Book review by Oakley, B. **359,** 282
Wallace, J M. Effect of deep convection on the regulation of tropical sea surface temperature, *Letter to Nature*, **357,** 230
Book review of Physics of climate (*by* Peixoto, J P) **360,** 220
Wallerstein, G. Li in V404 Cygni, *Scientific correspondence*, **356,** 569
Wallis, M K. Gas leakage in United Kingdom, *Correspondence*, **359,** 355
Walmsley, I. *Journal review of* Nonlinear optics: principles, materials, phenomena, and devices, (*Edited by* Kobayashi, T) **359,** 454
Walsh, A. , *Book review by* Sutherland, S. **355,** 309
Walsh, F S. *See under* Doherty, P., **356,** 791
Walsh, J E. *See under* McLaren, A S., **358,** 224
Walsh, J J. No connection, *Correspondence*, **358,** 102
Walsh, J V. *See under* McCarron, J G., **357,** 74
Walter, M A. Human genetics: Disease and development, (*with* Goodfellow, P N) *News and views*, **355,** 590
Walter, M R. *See under* Knoll, A H., **356,** 673
Walter, P. *See under* Hann, B C., **356,** 532
Protein translocation: Travelling by TRAM, *News and views*, **357,** 22
Walter, R C. *See under* Asfaw, B., **360,** 732
Walterbos, R A M. *See under* Braun, R., **360,** 442
Walther, H. *See under* Birkl, G., **357,** 310
Walton, D R M. *See under* Birkett, P R., **357,** 479
See under Taylor, R., **355,** 27
Wamsteker, W. *See under* Reimers, D., **360,** 561
Wandeler, A I. *See under* Flamand, A., **360,** 115
Wang, B Q. *See under* Finkelstein, A., **355,** 464
Wang, D-P. *See under* Ebbesmeyer, C C., **360,** 405
Wang, F. *See under* Li, Q X., **356,** 347
Wang, G. Identification of a Fab interaction footprint site on an icosahedral virus by cryoelection microscopy and X-ray crystallography, (*with* Porta, C, Chen, Z, Baker, T S, Johnson, J E) *Letter to Nature*, **355,** 275
Wang, H. *See under* Oliver, S G., **357,** 38
Wang, H-y. Antisense oligodeoxynucleotides to G, protein, Ö-subunit sequence accelerate differentiation of fibroblasts to adipocytes, (*with* Watkins, D C, Malbon, C C) *Letter to Nature*, **358,** 334
Wang, J. Inactivation of the sarcoplasmic reticulum calcium channel by protein kinase, (*with* Best, P M) *Letter to Nature*, **359,** 739
Wang, L. *See under* Mombaerts, P., **360,** 225
See under Mombaerts, P., **360,** 491
Dynamical development of a ring-like structure in the supernova 1987A nebula, (*with* Mazzali, P A) *Letter to Nature*, **355,** 58
Wang, M X. A whole genome approach to *in vivo* DNA-protein interactions in *E. coli*, (*with* Church, G M) *Letter to Nature*, **360,** 606
Wang, Y. Time to collision is signalled by neurons in the nucleus rotundus of pigeons, (*with* Frost, B J) *Letter to Nature*, **356,** 236
Photoconductivity of fullerene-doped polymers, *Letter to Nature*, **356,** 585
See under Song, K., **360,** 477
See under Zheng, X M., **359,** 336
Wang, Y-C J. *See under* Lee, E Y-H P., **359,** 288
Wang, Z. *See under* Kulkarni, S R., **360,** 139
Wang, Z Z. *See under* Brawner, D A., **358,** 567
Wang, Z-Q. Bone and haematopoietic defects in mice lacking *c-fos*, (*with* Ovitt, C, Grigoriadis, A E, Mohle-Steinlein, U, Rüther, U, Wagner, E F) *Letter to Nature*, **360,** 741
Wank, R. HLA antigens and cervical carcinoma, (*with* Schendel, D J, Thomssen, C) *Scientific correspondence*, **356,** 22
Warburton, J. *See under* harbor, J., **356,** 751
Ward, B. Life on a grant, *Correspondence*, **357,** 433
Ward, P D. Marine isotope evolution, (*with* Nelson, B K, MacLeod, K G) *Scientific correspondence*, **358,** 378
Ward, S. *See under* Hill, A., **358,** 290
See under Hill, A., **355,** 719
Ward, S A. *See under* Whipp, B J., **355,** 25
Wardle, M. Origin of the hot gas and radio blobs at the Galactic Centre, (*with* Yusef-Zadeh, F) *Letter to Nature*, **357,** 308
Ware, R H. Building a low-cost space station, *Correspondence*, **358,** 365
Warga, R M. *See under* Kane, D A., **360,** 735
Warmington, J R. *See under* Oliver, S G., **357,** 38
Warncke, K. *See under* Moser, C C., **355,** 796
Warnock, M. *Book review of* Education without impact: How our universities fail the young (*by* Douglas, G H) **360,** 383
Warren, M J. *See under* Louie, G V., **359,** 33
Warwick, A. *Book review of* The Maxwellians (*by* Hunt, B J) **357,** 291
Waser, N M. Cross-pollination, (*with* Price, M V, Bertin, R I) *Scientific correspondence*, **356,** 667
Washburn, S. Quantum mechanics: Trapped in mid-air, *News and views*, **358,** 537
Electronics: Single atoms as transistors, *News and views*, **357,** 199
Washington, C. *See under* Lowe, K C., **358,** 717
Wasserman, D. Genetic influence, *Correspondence*, **359,** 266
Wasylikowa, K. *See under* Wendorf, F., **359,** 721
Watanabe-Fukunaga, R. Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis, (*with* Brannan, C I, Copeland, N G, Jenkins, N A, Nagata, S) *Article*, **356,** 314
Waterfield, M D. *See under* Booker, G W., **358,** 684
Waterston, R. *See under* Sulston, J., **356,** 37
Watkins, D C. *See under* Wang, H-y., **358,** 334
Watkins, D I. New recombinant *HLA-B* alleles in a tribe of South American Amerindians indicate rapid evolution of MHC class I loci, (*with* McAdam, S N, Liu, X, Strang, C R, Milford, E L, Levine, C G, Garber, T L, Dogon, A L, Lord, C I, Ghim, S H, Troup, G M, Hughes, A L, Letvin, N L) *Letter to Nature*, **357,** 329
Watson, A. Carbon dioxide: Conveying that sinking feeling, *News and views*, **356,** 561
Balancing the carbon budget, *News and views*, **356,** 561
Watson, A J. *See under* Robertson, J E., **358,** 738
Watson, E L. *Book review by* Galloway, J W. **356,** 628
Watson, M G. *See under* Lloyd, H M., **356,** 222
See under Cooke, B A., **355,** 61
Watson, R A. Anisotropy measurements of the cosmic microwave background radiation at intermediate angular scales, (*with* Gutierrez de la Cruz, C M, Davies, R D, Lasenby, A N, Rebolo, R, Beckman, J E, Hancock, S) *Article*, **357,** 660
Watson, T. Patent office drops plan to raise fees, *News*, **356,** 645
Head of US drug company takes Serbian post, *News*, **358,** 100
See under Anderson, C., **358,** 177
Audit faults US national labs, *News*, **358,** 177
Researchers see obstacles in using spy data, *News*, **358,** 178
Burris appointed to head Woods Hole marine laboratory, *News*, **358,** 269
University officials dismiss quick payoff from research funds, *News*, **358,** 363
Soviets reported to have dumped nuclear waste in Arctic, *News*, **358,** 444
Bush delays new risk guidelines, *News*, **358,** 446
Rifkin wins battle over NIH growth trials, *News*, **358,** 529
See under Anderson, C., **359,** 566
Brian Henderson named president of Salk Institute, *News*, **359,** 569
NIH and Army meet on breast cancer windfall, *News*, **359,** 764
See under Jayaraman, K S., **358,** 613
University scientists to be investigated for conflicts of interest, *News*, **358,** 614
Scientists deny alleged support of company's 'new nuclear science', *News*, **358,** 616
Court-appointed scientists provide technical expertise, *News*, **358,** 702
US drug trials said to ignore gender differences, *News*, **360,** 6
US rules hinder research on disposal of PCBs, *News*, **359,** 6
Researchers recommend US AIDS vaccine trials, *News*, **360,** 94
NSF Commission affirms importance of basic research, *News*, **360,** 98
Petition warns of pending global environmental crisis, *News*, **360,** 200
NEJM restricts use of SI units, *News*, **359,** 175
Gene therapy research is spread across many disciplines and institutes at NIH, *News*, **359,** 188
NIH to help women return to research, *News*, **359,** 189
Hughes woos future MDs by offering space at bench, *News*, **359,** 190
Emphasis on research blamed for problems at US universities, *News*, **359,** 263
Correction: Gene therapy research is spread across many disciplines and institutes at NIH, *News*, **359,** 351
Ludwig estate to support research, *News*, **359,** 470
Congress supports breast cancer research by taking $210 million from military, *News*, **359,** 471
FDA wants to invite women into drug trials earlier, *News*, **360,** 289
New human gene therapy institute in Pennsylvania, *News*, **360,** 501
Physics centre threatened, *News*, **360,** 503
Proposal opens debate over US data on animals, *News*, **360,** 503
Watt, F. *See under* Landsberg, J P., **360,** 65
Watt, G. *See under* Lindsey, C., **358,** 308
Watts, C. *See under* Lanzavecchia, A., **357,** 249
Wdowczyk, J. *See under* Chi, X., **359,** 22
Weatherall, D. *Book review of* Vital circuits: On pumps, pipes, and the workings of circulatory systems (*by* Vogel, S) **358,** 720
Weaver, J H. *See under* Ohno, T R., **355,** 401
Weaver, R L. *See under* McLaren, A S., **358,** 224
Webb, D C. *See under* Handberg, R., **355,** 491
Webb, R. Chaperones classified, (*with* Sherman, L A) *Scientific correspondence*, **359,** 485
Weber, I T. *See under* Story, R M., **355,** 318
See under Story, R M., **355,** 318
See under Story, R M., **355,** 567
Weber, J. *See under* Goto, M., **355,** 735
Weber, S. Specific low-affinity recognition of major histocompatibility complex plus peptide by soluble T-cell receptor, (*with* Traunecker, A, Oliveri, F, Gerhard, W, Karjalainen, K) *Letter to Nature*, **356,** 793
Webster, D B. , *Book review by* Wilczynski, W. **358,** 202
Wechsler, H. *Book review by* Sejnowski, T. **360,** 27
Weekes, T C. *See under* Punch, M., **358,** 477
Weeks, E P. *See under* Striegl, R G., **357,** 145
Weeks, R. *See under* Fuller, M., **356,** 16
See under Laj, C., **359,** 111
Wehner, R. Desert ants on a thermal tightrope, (*with* Marsh, A C, Wehner, S) *Letter to Nature*, **357,** 586
Behavioural biology: Hunt for the magnetoreceptor, *News and views*, **359,** 105
Wehner, S. *See under* Wehner, R., **357,** 586
Wei, M L. HLA-A2 molecules in an antigen-processing mutant cell contain signal sequence-derived peptides, (*with* Cresswell, P) *Letter to Nature*, **356,** 443
Weich, H A. *See under* Plate, K H., **359,** 845
Weidner, J R. *See under* Thornberry, N A., **356,** 768
Weil, M L. *See under* Hernquist, L., **358,** 734
Weinberg, R A. *See under* Settleman, J., **359,** 153
See under Jacks, T., **359,** 295
Weintraub, S J. Retinoblastoma protein switches the E2F site from positive to negative element, (*with* Prater, C A, Dean, D C) *Letter to Nature*, **358,** 259
Weis, W I. Structure of a C-type mannose-binding protein complexed with an oligosaccharide, (*with* Drickamer, K, Hendrickson, W A) *Article*, **360,** 127
Weisberg, J M. *See under* Taylor, J H., **355,** 132
Weiss, A. *See under* Margolis, B., **356,** 71
Stellar evolution: Growing old before our eyes, *News and views*, **355,** 392
Weiss, D G. *See under* Kuznetsov, S A., **356,** 722
Weiss, G H. *See under* Larralde, H., **355,** 423
Weiss, M C. Molecular biology: Extinction by indirect means, *News and views*, **355,** 22
Weiss, N. Astronomy: Convective motion on the Sun, *News and views*, **356,** 287
Weissenbach, J. *See under* Froguel, Ph., **356,** 162
See under Froguel, Ph., **357,** 607
See under Chumakov, I., **359,** 380

A second-generation linkage map of the human genome. (*with* Gyapay, G, Dib, C, Vignal, A, Morissette, J, Millasseau, P, Vaysseix, G, Lathrop, M) *Article*, **359,** 794
Weissman, P R. Cometary joke. *Scientific correspondence*, **358,** 460
Weissman, S M. *See under* Aso, T., **355,** 461
Weissmann, C. *See under* Bücler, H., **356,** 577
Weitzman, D. Thesis defended. *Correspondence*, **355,** 291
Welch, L. *See under* Carman, G J., **360,** 585
Welcher, A A. *See under* Suter, U., **356,** 241
Wellems, T E. Malaria: How chloroquine works. *News and views*, **355,** 108
Wellings, K. *See under* Johnson, A M., **360,** 410
Welljams-Dorof, A. *See under* Lindahl, B I B., **360,** 204
Wellnhofer, P. *See under* Elzanowski, A., **359,** 821
Wells, A. *See under* Cooke, B A., **355,** 61
Wells, S G. *See under* Meyer, G A., **357,** 147
Welsh, M J. *See under* Denning, G M., **358,** 761
Wen, X. Crumpled and collapsed conformations in graphite oxide membranes. (*with* Garland, C W, Hwa, T, Kardar, M, Kokufuta, E, Li, Y, Orkisz, M, Tanaka, T) *Letter to Nature*, **355,** 426
Wending, R M. *See under* Bezdek, R H., **355,** 105
Wendorf, F. Saharan exploitation of plants 8,000 years BP. (*with* Close, A E, Schild, R, Wasylikowa, K, Housley, R A, Harlan, J R, Krolik, H) *Letter to Nature*, **359,** 721
Were, J B O. . *Book review by* Wilkins, H A. **356,** 393
Werner, P. *Book review by* Gratzer, W. **356,** 640
Werner, U. *See under* Farnan, I., **358,** 31
Westby, M. *Book review of* Neural nets in electric fish (*by* Heiligenberg, W F) **355,** 780
Westhof, E. Westhof's rule. *Scientific correspondence*, **358,** 459
Westphal, H. *See under* Tybulewicz, V L J., **357,** 407
Westrich, H R. *See under* Casey, W H., **355,** 157
Whaley, J. *See under* Seubert, P., **359,** 325
Wheeler, C J. An immunological role for the CD8 ß-chain. (*with* von Hoegen, P, Parnes, J R) *Letter to Nature*, **357,** 247
Whetten, R L. *See under* Yeretzian, C., **359,** 44
Whipp, B J. Will women soon outrun men?. (*with* Ward, S A) *Scientific correspondence*, **355,** 25
Whitaker, T. *See under* Punch, M., **358,** 477
White, A T. *See under* Guo, F., **358,** 495
White, J G. Mutations in the *Caenorhabditis elegans unc-4* gene alter the synaptic input to ventral cord motor neurons. (*with* Southgate, E, Thomson, J N) *Letter to Nature*, **355,** 838
White, J M. *See under* Blobel, C P., **356,** 248
White, K. *See under* Selleck, S B., **355,** 253
White, M. *Book review by* Mitton, S. **356,** 25
White, N. *See under* Morrow, R., **357,** 482
White, R E III. Direct measurement of the optical depth in a spiral galaxy. (*with* Keel, W C) *Letter to Nature*, **359,** 129
Erratum: Direct measurement of the optical depth in a spiral galaxy. (*with* Keel, W C) *Letter to Nature*, **359,** 655
White, S D M. *See under* Davis, M., **356,** 489
White, S W. *See under* Ramakrishnan, V., **358,** 768
White, T D. *See under* Asfaw, B., **360,** 732
White, W M. Crustal recycling: Surviving subduction. *News and views*, **358,** 714
See under Christie, D M., **355,** 246
Whiten, A. *Book review of* Animal minds (*by* Griffin, D R) **360,** 118
Whitman, M. Involvement of p21^{ras} in *Xenopus* mesoderm induction. (*with* Melton, D A) *Letter to Nature*, **357,** 252
Whitmore, T C. Sustainable populations?. *Scientific correspondence*, **356,** 294
Whittet, D C B. *Book review by* Kahn, F D. **358,** 118
Whittle, H C. *See under* Hill, A V S., **360,** 434
Whittle, M. Materials science: The structure of smart fluids. (*with* Bullough, W A) *News and views*, **358,** 373
Whitworth, A. *See under* Chapman, S., **359,** 207
Wickman, K. *See under* Paulmichl, M., **356,** 238
Wickner, R B. *See under* Fujimura, T., **359,** 746
Wickner, S. *Book review of* DNA replication, 2nd Edn (*by* Kornberg, R, Baker, T) **355,** 406
Wickramasinghe, N C. Cosmic microwave background. *Scientific correspondence*, **358,** 547
Wicksted, B L. *See under* Oliver, S G., **357,** 38
Wider, G. *See under* Kallen, J., **356,** 24
Widmer, H. *See under* Kallen, J., **356,** 24
Wiebe, P H. *See under* Van Dover, C L., **358,** 25
Wiebel, F F. The Pas2 protein essential for peroxisome biogenesis is related to ubiquitin-conjugating enzymes. (*with* Kunau, W-H) *Letter to Nature*, **359,** 73
Wiech, H. Hsp90 chaperones protein folding *in vitro*. (*with* Buchner, J, Zimmermann, R, Jakob, U) *Letter to Nature*, **358,** 169
Wiedmann, M. *See under* Sollner, T., **355,** 84
Wienands, J. Glycosyl-phosphatidylinositol linkage as a mechanism for cell-surface expression of immunoglobulin D. (*with* Reth, M) *Letter to Nature*, **356,** 246
Wierenga, R. *See under* Musacchio, A., **359,** 851
Wieringa, B. *See under* Aslanidis, C., **355,** 548
Wiesel, T N. *See under* Gilbert, C D., **356,** 150
Wiggins, S. *Journal review by* Shlesinger, M., **359,** 453
Wigley, D B. *See under* Derrick, J P., **359,** 752
Wigley, T M L. Implications for climate and sea level of revised IPCC emissions scenarios. (*with* Raper, S C B) *Review article*, **357,** 293
See under Kelly, P M., **360,** 328
Wigmore, J K. *See under* McClintock, P V E., **359,** 282
Wiita, P J. Astrophysical jets: Squeezing gas through space. *News and views*, **355,** 499
Wikström, M. *See under* Babcock, G T., **356,** 301
Wilbur, H M. *See under* Leibold, M A., **360,** 341
Wilcox, G D. *See under* Mitchell, P J., **357,** 395
Wilcox, S A. *See under* Mitchell, M J., **359,** 528
Wilczynski, W. *Book review of* The evolutionary biology of hearing (*by* Webster, D B) **358,** 202
Wild, S R. *See under* Jones, K C., **356,** 137
Wildon, D C. Electrical signalling and systemic proteinase inhibitor induction in the wounded plant. (*with* Thain, J F, Minchin, P E H, Gubb, I R, Reilly, A J, Skipper, Y D, Doherty, H M, O'Donnell, P J, Bowles, D J) *Letter to Nature*, **360,** 62
Wiley, D C. *See under* Guo, H-C., **360,** 364
See under Silver, M L., **360,** 367
Wiley, J B. *See under* Stephens, P W., **355,** 331
See under Stephens, P W., **355,** 331
Wilkie, D. *Book review of* The molecular and cellular biology of the yeast Saccharomyces (by Broach, J R, Pringle, J R, Jones, E R) **357,** 206
Wilkins, H A. *Book review of* AIDS in Africa (*by* Piot, P, Kapita, B, Were, J B O) **356,** 393
Book review of Aids in Africa: Its present and future impact (*by* Barnett, T) **356,** 393
Wilkinson, A P. *See under* Morris, R E., **359,** 519
Wilkinson, G. *See under* Borgia, G., **359,** 487
Wilks, Y. *See under* Ballim, A., **357,** 549
Will, C M. General relativity: The good companions. *News and views*, **355,** 111
Willemsen, R. *See under* Tybulewicz, V L J., **357,** 407
Williams, A F. T-cell receptors: At grips with interactions. (*with* Beyers, A D) *News and views*, **356,** 746
See under Davis, S J., **358,** 76
See under Jones, E Y., **360,** 232
Williams, A J III. *See under* Agrawal, Y C., **359,** 219
Williams, D. *See under* Braverstock, K., **359,** 21
Williams, G. Human insulin. (*with* Patrick, A W) *Correspondence*, **359,** 355
Williams, G T. **356,** 28
Williams, L T. *See under* Peters, K G., **358,** 678
Williams, N. *Journal review of* Science and public affairs. (*Edited by* Bodmer, W) **359,** 464
Williams, P. *See under* Knutton, S., **359,** 369
Williams, P M. *See under* Bauer, J E., **357,** 667
See under Smith, K L Jr., **359,** 313
Williams, R. *See under* Sherman, K., **359,** 769
Williams, R C. *See under* Belich, M P., **357,** 326
Williams, R J P. Electron transfer: Biology's wiring circuits. *News and views*, **355,** 770
Williams, R K. *See under* Yeager, C L., **357,** 420
Williams, R L. *See under* Arnold, E., **357,** 85
Williams, T M. Travel at low energetic cost by swimming and wave-riding bottlenose dolphins. (*with* Friedl, W A, Fong, M L, Yamada, R M, Sedivy, P, Haun, J E) *Letter to Nature*, **355,** 821
Williamson, R. *See under* Buxton, J., **355,** 547
Willing, P. *See under* Ebbesmeyer, C C., **360,** 405
Willingale, R. *See under* Cooke, B A., **355,** 61
Willis, A C. *See under* Hill, A V S., **360,** 434
Willison, K. *See under* Lewis, V A., **358,** 249
Willmitzer, L. *Journal review by* Rubery, P., **359,** 439
Willock, E C. *See under* McIntosh, P S., **360,** 322
Wills, C. Human origins. *Scientific correspondence*, **356,** 389
Journal review of Philosophical transactions of the Royal Society: Biological sciences (Series B) . (*Edited by* Bone, Q) **359,** 438
Journal review of Proceedings of the Royal Society: Biological sciences (Series B) . (*Edited by* Clarke, B C) **359,** 438
Wilson, A J. Measuring animal well-being. *Correspondence*, **356,** 556
Measuring animal well-being: Correction. *Correspondence*, **357,** 187
Wilson, C. *See under* Oliver, S G., **357,** 38
See under Punch, M., **358,** 477
See under Falkowski, P G., **358,** 741
See under Sokal, R R., **355,** 214
Wilson, E. *See under* Peters, K G., **358,** 678
Wilson, G S. *See under* Barrett, P J., **359,** 816
Wilson, J M. *See under* Collins, F S., **358,** 708
Cystic fibrosis: More from the modellers. (*with* Collins, F S) *News and views*, **359,** 195
Wilson, K L. *See under* Boman, A L., **358,** 512
Wilson, K S. *See under* Cedergren-Zeppezauer, E S., **355,** 740
Wilson, L. *See under* Miller, D M., **355,** 841
Wilson, M A. C$_{60}$ separation on coal. (*with* Pang, L S K, Vassallo, A M) *Scientific correspondence*, **355,** 117
Wilson, R. *See under* Subston, J., **356,** 37
Wilson, R B. *See under* Bhat, P N., **359,** 217
See under Meegan, C A., **355,** 143
Wilson, S W. *See under* Krauss, S., **360,** 87
Wilson, T L. *See under* Rood, R T., **355,** 618
Wiltschek, R. *See under* Habazettl, J., **359,** 885
Wimmer, E. *See under* Molla, A., **356,** 255
Winderickx, J. Polymorphism in red photopigment underlies variation in colour matching. (*with* Lindsey, D T, Sanocki, E, Teller, D Y, Motulsky, A G, Deeb, S S) *Letter to Nature*, **356,** 431
Wine, J J. Cystic fibrosis: ATP and chloride conductance. (*with* Silverstein, S C) *News and views*, **360,** 18
Winfield, S. *See under* Tybulewicz, V L J., **357,** 407
Wing, S L. . *Book review by* Palmer, D. **360,** 426
Winocur, G. *See under* Behrmann, M., **359,** 636
Winston, M L. *Book review by* Seeley, T D. **356,** 626
Winter, K. . *Book review by* Cherry, M L. **355,** 508
Wirick, C D. *See under* Wallace, D W R., **356,** 694
Wise, S P. Mistaken view. *Correspondence*, **358,** 272
Wittig, B. *See under* Kleuss, C., **358,** 424
Wittmann, W. *See under* McLaren, A S., **358,** 224
WoldeGabriel, G. *See under* Asfaw, B., **360,** 732
Wolfe, J A. Plants at the K/T boundary: Reply. *Scientific correspondence*, **356,** 296
Wolfe, J H. Reversal of pathology in murine mucopolysaccharidosis type VII by somatic cell gene transfer. (*with* Sands, M S, Barker, J E, Gwynn, B, Rowe, L B, Vogler, C A, Birkenmeier, E H) *Letter to Nature*, **360,** 749
Wolfe, R. *See under* Durán, C A., **357,** 474
Wolfendale, A W. Virtues of small universities. *Correspondence*, **357,** 622
See under Chi, X., **359,** 22
Wolfert, R. *See under* Seubert, P., **359,** 325
Wolff, J O. Parents suppress reproduction and stimulate dispersal in opposite-sex juvenile white-footed mice. *Letter to Nature*, **359,** 409
Wolff, M E. Germane reviews. *Correspondence*, **360,** 506
Wolff, S. Nineties' research. *Correspondence*, **358,** 366
Wolff, S P. Trying times for human insulin. *Commentary*, **356,** 375
Air pollution and cancer risk. *Correspondence*, **356,** 471
Wolffi, W. *See under* Lao, Y., **357,** 576
Wolfsberg, T G. *See under* Blobel, C P., **356,** 248
Wolpert, L. Estimating Popper's impact. *Correspondence*, **360,** 204
Book review by Polkinghorne, J, **360,** 378
Wolpoff, M H. Neanderthal dates debated. (*with* Frayer, D W) *Scientific correspondence*, **356,** 200
Wolszczan, A. *See under* Taylor, J H., **355,** 132
A planetary system around the millisecond pulsar PSR1257+12. (*with* Frail, D A) *Letter to Nature*, **355,** 145
Womack, J E. Veterinary medicine: Molecular genetics arrives on the farm. *News and views*, **360,** 108
Wong-Staal, F. *Book review by* Vile, R G. **359,** 491
Wongsiri, S. *See under* Rinderer, T E., **360,** 305
Wood, B. *Book review by* Delson, E. **360,** 544
Palaeoanthropology: A remote sense for fossils. *News and views*, **355,** 397
Origin and evolution of the genus *Homo*. *Review article*, **355,** 783
Palaeoanthropology: Old bones match old stones. *News and views*, **355,** 678
Wood, D O S. *See under* Kulkarni, S R., **360,** 139
Wood, H. *See under* Luirink, J., **359,** 741
Wood, S P. *See under* Dhanaraj, V., **357,** 466
See under Louie, G V., **359,** 33
Wood, W B. *See under* Hunter, C P., **355,** 551
Woodcock, S C. *See under* Louie, G V., **359,** 33
Woodhouse, H C. Cave of the ostrich. *Correspondence*, **360,** 99
Woodruff, G N. *Journal review by* Enna, S J., **359,** 445
Woods, A W. *See under* Buffett, B A., **356,** 329
Thermal disequilibrium at the top of volcanic clouds and its effect on estimates of the column height. (*with* Self, S) *Letter to Nature*, **355,** 628
See under Bursik, M I., **355,** 594
Woods, D R. *See under* Mitchell, M J., **359,** 528
Woods, K. *See under* Goto, M., **355,** 735
Woodward, J C. *See under* Striegl, R G., **357,** 145
Woodward, R L. *See under* Su, W -J., **360,** 149
Woolf, C J. Peripheral nerve injury triggers central sprouting of myelinated afferents. (*with* Shortland, P, Coggeshall, R E) *Letter to Nature*, **355,** 75
Wormald, M. *See under* Edge, C., **358,** 693
Wormskamp, N G M. *See under* Aslanidis, C., **355,** 548
Worsnop, D R. *See under* Herschbach, D R., **356,** 414
Wozniak, J A. *See under* Eriksson, A E., **355,** 371
Wrege, P H. *See under* Emlen, S T., **356,** 331
See under Emlen, S T., **359,** 24
Wright, C. *See under* Hogan, B., **355,** 494
Wright, C E. *See under* Böcskei, Z., **360,** 186
Wright, E. Alpha-particles and leukaemia - Reply. *Scientific correspondence*, **357,** 369
Wright, E G. *See under* Kadhim, M A., **355,** 738
Wright, I P. Meteoritics: Stardust memories. *News and views*, **356,** 567
Diamond source. *Scientific correspondence*, **358,** 198
Interstellar diamonds: Rich pickings for astronomers. *News and views*, **360,** 20
Wright, J S. *See under* Cooke, B A., **355,** 61
Wright, R G. *Book review by* Tudge, C. **359,** 683
Wu, C M. *See under* Van Tol, H H M., **358,** 149
Wu, C-I. *See under* Johnson, N A., **358,** 751
Wu, D. *See under* Katz, A., **360,** 686
Wudl, F. *See under* Stephens, P W., **355,** 331
See under Stephens, P W., **355,** 331
Wuers, R A M J. Genesis of a pulsar's planets. (*with* van den Heuvel, E P J, van Kerkwuk, M H, Bhattacharya, D) *Scientific correspondence*, **355,** 593
Wulczyn, F G. Candidate proto-oncogene *bcl-3* encodes a subunit-specific inhibitor of transcription factor NF-κB. (*with* Naumann, M, Scheidereit, C) *Letter to Nature*, **358,** 597
Wulhchleger, S D. *See under* Norby, R J., **357,** 322

Wurst, H. *See under* Oliver, S G., **357,** 38
Wüthrich, K. *See under* Kallen, J., **356,** 24
. *Book review by* Petsko, G A. **359,** 596
Wyatt, T D. 360, 120
Wylie, C C. *See under* Torpey, N., **357,** 413
Wyman, R J. Wrong book. *Correspondence,* **360,** 405
Wynn, K. Addition and subtraction by human infants. *Letter to Nature,* **358,** 749
Errata: Addition and subtraction by human infants. *Letter to Nature,* **360,** 768
Wynn-Williams, G. *Book review by* Kahn, F D. **358,** 118
Xi, Y G. Amphotericin B treatment dissociates *in vivo* replication of the scrapie agent from PrP accumulation. (*with* Ingrosso, L., Ladogana, A, Masullo, C, Pocchiari, M) *Letter to Nature,* **356,** 598
Xu, G. *See under* Oliver, S G., **357,** 38
Yablonsky, S V. *See under* Tournilhac, F., **359,** 621
Yaffe, M B. TCP1 complex is a molecular chaperone in tubulin biogenesis. (*with* Farr, G W, Miklos, D, Horwich, A L, Sternlicht, M L, Sternlicht, H) *Letter to Nature,* **358,** 245
Yamada, R M. *See under* Williams, T M., **355,** 821
Yamada, T. *See under* Kinoshita, K., **357,** 313
Yamada, Y. *See under* Furukawa, T., **356,** 668
Yamaguchi, D K. Curved saplings at Mt St Helens. *Scientific correspondence,* **357,** 448
Yamaguchi, Y. *See under* Border, W A., **360,** 361
Yamakura, T. *See under* Mori, H., **358,** 673
Yamamoto, T. *See under* Border, W A., **360,** 361
Yamasaki, H. *See under* Endo, K., **355,** 327
Yamazaki, M. *See under* Meguro, H., **357,** 70
Yamin, T-T. *See under* Thornberry, N A., **356,** 768
Yan, Q. Brain-derived neurotrophic factor rescues spinal motor neurons from axotomy-induced cell death. (*with* Elliott, J, Snider, W D) *Letter to Nature,* **360,** 753
See under Oppenheim, R W., **360,** 755
Yanagida, M. *See under* Hagan, I., **356,** 74
Yang, H. Human rights. *Correspondence,* **360,** 292
Yannoni, C S. *See under* Rugar, D., **360,** 563
See under Johnson, R D., **355,** 239
Yanofsky, M F. *See under* Mandel, M A., **360,** 273
Yao, J N. Photochromism induced in an electrolytically pretreated MoO$_3$ thin film by visible light. (*with* Hashimoto, K, Fujishima, A) *Letter to Nature,* **355,** 624
Yapp, C J. Ancient atmospheric CO$_2$ pressures inferred from natural goethites. (*with* Poths, H) *Letter to Nature,* **355,** 342
Yarlagadda, R. *Journal review by* Holburn, D., **359,** 455
Yasuda, K. *See under* Vionnet, N., **356,** 721
Yasukochi, Y. *See under* Aso, T., **355,** 461
Yates, J T Jr. Surface science: A little heat goes a long way. *News and views,* **360,** 211
Yeager, C L. Human aminopeptidase N is a receptor for human coronavirus 229E. (*with* Ashmun, R A, Williams, R K, Cardellichio, C B, Shapiro, L H, Look, A T, Holmes, K V) *Letter to Nature,* **357,** 420
Yednock, E A. Prevention of experimental autoimmune encephalomyelitis by antibodies against α4β1 integrin. (*with* Cannon, C, Fritz, L C, Sanchez-Madrid, F, Steinman, L, Karin, N) *Letter to Nature,* **356,** 63
Yemane, T. *See under* Asfaw, B., **360,** 732
Yen, T J. CENP-E is a putative kinetochore motor that accumulates just before mitosis. (*with* Li, G, Schaar, B T, Szilak, I, Cleveland, D W) *Letter to Nature,* **359,** 536
Yeretzian, C. Coalescence reactions of fullerenes. (*with* Hansen, K, Diederich, F, Whetten, R L) *Letter to Nature,* **359,** 44
Yew, N. Meiotic initiation by the *mos* protein in *Xenopus*. (*with* Mellini, M L, Vande Woude, G F) *Letter to Nature,* **355,** 649
Yew, P R. Inhibition of p53 transactivation required for transformation by adenovirus early 1B protein. (*with* Berk, A J) *Letter to Nature,* **357,** 82
Yi, Z. *See under* Zhuang, G., **355,** 537
Yildirim, T. Intercalation of sodium heteroclusters into the C$_{60}$ lattice. (*with* Zhou, O, Fischer, J E, Bykovetz, N, Strongin, R A, Cichy, M A, Smith, A B III, Lin, C L, Jelinek, R) *Letter to Nature,* **360,** 568
Yilmaz, A. *See under* Tugrul, S., **359,** 137
Yin, M. *See under* Shull, M M., **359,** 693
Yin, Q-W. *See under* Oppenheim, R W., **360,** 755
Yochelson, E L. *Journal review of* Ichnos: An international journal for plant and animal traces. (*Edited by* Pemberton, S G, Frey, R W) **359,** 452
Yokoyama, W M. *See under* Karlhofer, F M., **358,** 66
Yoshida, K. *See under* Kondo, T., **358,** 515
Yoshida, S. *See under* Endo, K., **355,** 327
Yoshikawa, A. *See under* Oliver, S G., **357,** 38
Yoshikawa, K. Degeneration *in vitro* of post-mitotic neurons overexpressing the Alzheimer amyloid protein precursor. (*with* Aizawa, T, Hayashi, Y) *Letter to Nature,* **359,** 64
Yoshimura, A. *See under* Furukawa, T., **356,** 668
Yoshizawa, T. *See under* Kokame, K., **359,** 749
Yost, H J. Regulation of vertebrate left-right asymmetries by extracellular matrix. *Letter to Nature,* **357,** 158
Young, D. *See under* Zhang, Y., **358,** 591
Young, J R. Crystal assembly and phylogenetic evolution in heterococcoliths. (*with* Didymus, J M, Bown, P R, Prins, B, Mann, S) *Letter to Nature,* **356,** 516
Young, J Z. *Book review of* Foundations of the neuron doctrine (*by* Shepherd, G M) **356,** 624
356, 624
Young, L S. *See under* Li, Q X., **356,** 347
Young, M P. Objective analysis of the topological organization of the primate cortical visual system. *Letter to Nature,* **358,** 152
Young, M W. *See under* Bargiello, T A., **360,** 610
See under Saez, L., **360,** 542
Young, P G. *See under* Rowley, R., **356,** 353
Young, T-L. *See under* Perera, F P., **360,** 256
Youzwyshyn, G P. *See under* Fox, R C., **358,** 233
See under Fox, R C., **360,** 540
Yue, L. *See under* Gao, F., **358,** 495
Yusef-Zadeh, F. *See under* Wardle, M., **357,** 308
Zablocka, B. *See under* Tybulewicz, V L J., **357,** 407
Zachos, J C. *See under* Sloan, L C., **357,** 320
See under Koch, P L., **358,** 319
Zahn, R. Climate: Deep ocean circulation puzzle. *News and views,* **356,** 744
Zaizen, Y. *See under* Okada, K., **355,** 120
Zamaraev, K I. *Book review by* Burch, R. **356,** 671
Zamore, P D. Cloning and domain structure of the mammalian splicing factor U2AF. (*with* Patton, J G, Green, M R) *Article,* **355,** 609
Zanetti, M. Antigenized antibodies. *Product review,* **355,** 476
Zangger, E. *Book review by* Renfrew, C. **356,** 642
Zank, G. Cosmic rays: A boost for high flyers. *News and views,* **356,** 564
Zasadzinski, J A N. *See under* Garnaes, J., **357,** 54
Zasov, A V. *See under* Bochkarev, N G., **355,** 384
Zatorre, R J. Functional localization and lateralization of human olfactory cortex. (*with* Jones-Gotman, M, Evans, A C, Meyer, E) *Letter to Nature,* **360,** 339
Zawel, L. *See under* Lu, H., **358,** 641
Zeevia, Y Y. *Journal review by* Holburn, D., **359,** 454
Zeilinger, W W. *See under* Stiavelli, M., **355,** 802
Zeitlin, P L. *See under* Egan, M., **358,** 581
Zel'dovich, Ya B. *Book review by* Silk, J. **359,** 490
Zeldin, M. *Journal review by* Cahn, R W., **359,** 456
Zemmour, J. *See under* Belich, M P., **357,** 326
Zewail, A. . *Book review by* Atkins, P W. **358,** 550
Zewail, A H. *See under* Potter, E D., **355,** 66
Zhang, A. *See under* Arnold, E., **357,** 85
Zhang, X. *See under* Kang, C H., **356,** 126
Zhang, X-L. *See under* Kyriakis, J M., **358,** 417
Zhang, X-k. Homodimer formation of retinoid X receptor induced by 9-*cis* retinoic acid. (*with* Lehmann, J, Hoffmann, B, Dawson, M I, Cameron, J, Graupner, G, Hermann, T, Tran, P, Pfahl, M) *Letter to Nature,* **358,** 587
Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors. (*with* Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) *Letter to Nature,* **355,** 441
Zhang, Y. The catalase-peroxidase gene and isoniazid resistance of *Mycobacterium tuberculosis*. (*with* Heym, B, Allen, B, Young, D, Cole, S) *Letter to Nature,* **358,** 591
See under Pines, G., **360,** 464
See under Pines, G., **360,** 768
Zhang, Y -Q. Super-absorbency and phase transition of gels in physiological salt solutions. (*with* Tanaka, T, Shibayama, M) *Letter to Nature,* **360,** 142
Zhang, Y-S. Ridges, hotspots and their interaction as observed in seismic velocity maps. (*with* Tanimoto, T) *Article,* **355,** 45
Zhao, H. *See under* Hodgson, A., **356,** 501
Zheng, D. *See under* Lewis, V A., **358,** 249
Zheng, X M. Cell transformation and activation of pp60$^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase. (*with* Wang, Y, Pallen, C J) *Letter to Nature,* **359,** 336
Zhou, O. *See under* Kortan, A R., **360,** 566
See under Yildirim, T., **360,** 568
See under Zhu, Q., **355,** 712
Zhu, H. *See under* Farmer, G., **358,** 83
Zhu, Q. Intercalation of solid C$_{60}$ with iodine. (*with* Cox, D E, Fischer, J E, Kniaz, K, McGhie, A R, Zhou, O) *Letter to Nature,* **355,** 712
Zhuang, G. Link between iron and sulphur cycles suggested by detection of Fe(II) in remote marine aerosols. (*with* Yi, Z, Duce, R A, Brown, P R) *Letter to Nature,* **355,** 537
Ziegler, A. *See under* Kelly, A., **355,** 641
Zihlman, A. *Book review of* The Last Ape: Pygmy Chimpanzee Behavior and Ecology (*by* Kano, T) **359,** 786
Zilz, N. *See under* Powell, S M., **359,** 235
Ziman, J. *Book review of* In search of a better world: Lectures and essays from thirty years (*by* Popper, K) **360,** 425
355, 408
Zimmermann, F K. *See under* Oliver, S G., **357,** 38
Zimmermann, P. *See under* Langner, J., **359,** 712
Zimmermann, R. *See under* Wiech, H., **358,** 169
Zinberg, D S. . *Book review by* Rosenzweig, R M. **355,** 121
Zinkernagel, R M. *See under* Speiser, D E., **355,** 170
Zirin, H. Solar astronomy: Breaking out in spots. *News and views,* **359,** 271
Zirker, J B. 357, 552
Zouali, H. *See under* Froguel, Ph., **356,** 162
See under Vionnet, N., **356,** 721
See under Froguel, Ph., **357,** 607
Zouros, E. Direct evidence for extensive paternal mitochondrial DNA inheritance in the marine mussel *Mytilus*. (*with* Freeman, K R, Oberhauser Ball, A, Pogson, G H) *Letter to Nature,* **359,** 412
Zuckerman, Lord. Between Stockholm and Rio. *Commentary,* **358,** 273
The zoo that has to close. *Commentary,* **357,** 621
Zucman, J. *See under* Delattre, O., **359,** 162
Zurini, M G M. *See under* Kallen, J., **356,** 24
Zuñiga, J M. No evidence for variable duration of sympatry between the great spotted cuckoo and its magpie host. (*with* Redondo, T) *Letter to Nature,* **359,** 410
Zwilling, R. *See under* Bode, W., **358,** 164
Zychlinsky, A. *Shigella flexneri* induces apoptosis in infected macrophages. (*with* Prevost, M C, Sansonetti, P J) *Letter to Nature,* **358,** 167

Subject Index Volumes 355 – 360

Abortion. The facts of life: Science and the abortion controversy, *Book review by* Hubbard, R. **360,** 379

Academic appointments, Italy. Academic promotion in Italy, *Correspondence,* (Amadori, S. Bernasconi, C. Boccadoro, M. Giustolisi, R. Gobbi, M) **355,** 581

Academic appointments, US. US Academy of Sciences: IOM gets top name, *News,* (Anderson, C) **355,** 102

Academic freedom. New contract with DOE laboratories guarantees academic freedoms, *News,* (Anderson, C) **360,** 202

Hungarian law will protect academics strapped for cash, *News,* (Abbott, A) **359,** 180

NASA researchers fear crackdown after security lapse, *News,* (Anderson, C) **360,** 289

Academic independence. Conflict of interest revisited, *Opinion,* **355,** 751

Conflict concerns disrupt panels, cloud testimony, *News,* (Anderson, C) **355,** 753

Academic institutions. The changing university: How increased demand for scientists and technology is transforming academic institutions internationally, *Book review by* Rosenzweig, R M. **355,** 121

Academic pay, UK. British academic morale and pay, *News,* (Harrison, D, Gillett, R, Clemens, M J) **356,** 280

Academic pay. What rate for the job?, *Opinion,* **356,** 2

Action on academic pay, *Correspondence,* (Morris, H R) **356,** 10

British academic morale and pay, *Correspondence,* (Perkin, D) **356,** 280

Life on a grant, *Correspondence,* (Ward, B) **357,** 433

Unloved academics, *Opinion,* **358,** 263

Hungarian law will protect academics strapped for cash, *News,* (Abbott, A) **359,** 180

Academy of Sciences, France. Science under control: The French Academy of Sciences 1795-1914, *Book review by* Gillispie, C C. **357,** 652

Acetylcholine. Quantal transmitter secretion from myocytes loaded with acetylcholine, *Letter to Nature,* (Dan, Y, Poo, M-m) **359,** 733

Acid deposition. Climate-driven pH control of remote alpine lakes and effects of acid deposition, *Letter to Nature,* (Psenner, R, Schmidt, R) **356,** 781

Environmental research: Power company leaves environmental legacy, *News,* (Mundell, I) **356,** 466

Predicted response of stream chemistry to acid loading tested in Canadian catchments, *Letter to Nature,* (Kirchner, J W, Dillon, P J, LaZerte, B D) **358,** 478

Acoustic imaging. Generation of ultrasonic waves from a layered photoacoustic source, *Letter to Nature,* (Sun, T, Diebold, G J) **355,** 806

Acoustic imaging. Imaging the ocean with ambient noise, *Letter to Nature,* (Buckingham, M J, Berkhout, B V, Glegg, S A L) **356,** 327

α-Actinin. Requirement of phosphatidylinositol 4,5-bisphosphate for α-actinin function, *Letter to Nature,* (Fukami, K, Furuhashi, K, Inagaki, M, Endo, T, Hatano, S, Takenawa, T) **359,** 150

Actin. New yeast actin-like gene required late in the cell cycle, *Letter to Nature,* (Schwob, E, Martin, R P) **355,** 179

Actin-dependent organelle movement in squid axoplasm, *Letter to Nature,* (Kuznetsov, S A, Langford, G M, Weiss, D G) **356,** 722

Actin cables and epidermal movement in embryonic wound healing, *Letter to Nature,* (Martin, P, Lewis, J) **360,** 179

One step back, *News and views,* **360,** 213

In a twist, *News and views,* **355,** 398

Actin filament assembly. MARCKS is an actin filament crosslinking protein regulated by protein kinase C and calcium-calmodulin, *Letter to Nature,* (Hartwig, J H, Thelen, M, Rosen, A, Janmey, P A, Nairn, A C, Aderem, A) **356,** 618

Novel form of growth cone motility involving site-directed actin filament assembly, *Letter to Nature,* (Forscher, P, Lin, C H, Thompson, C) **357,** 515

Cell motility: Beads, bacteria and actin, *News and views,* (Sanger, J W, Sanger, J M) **357,** 442

Actin in cell attachment, *Scientific correspondence,* (Knutton, S, Baldwin, T, Williams, P, Sanger, J, Sanger, J) **359,** 369

Actin-related proteins. Cell biology: New cytoskeletal liaisons, *News and views,* (Goldstein, L S B, Vale, R D) **359,** 193

A vertebrate actin-related protein is a component of a multisubunit complex involved in microtubule-based vesicle motility, *Letter to Nature,* (Lees-Miller, J P, Helfman, D M, Schroer, T A) **359,** 244

Centractin is an actin homologue associated with the centrosome, *Letter to Nature,* (Clark, S W, Meyer, D I) **359,** 247

Active galactic nuclei. Detection of TeV photons from the active galaxy Markarian 421, *Letter to Nature,* (Punch, M, Akerlof, C W, Cawley, M F, Chantell, M, Fegan, D J, Fennell, S, Gaidos, J A, Hagan, J, Hillas, A M, Jiang, Y, Kerrick, A D, Lamb, R C, Lawrence, M A, Lewis, D A, Meyer, D I, Mohanty, G, O'Flaherty, K S, Reynolds, P T, Rovero, A C, Schubnell, M S, Sembroski, G, Weekes, T C, Whitaker, T, Wilson, C) **358,** 477

Gamma-ray astronomy: Catching photons from hell, *News and views,* (Halzen, F) **358,** 452

X-ray flares from runaway pair production in active galactic nuclei, *Letter to Nature,* (Kirk, J G, Mastichiadis, A) **360,** 135

Active galactic nuclei: Ignition of X-ray flares, *News and views,* (Baring, M G) **360,** 109

Active galactic nuclei: Brilliance without black holes, *News and views,* (Robinson, A) **359,** 104

The case against a massive black hole at the Galactic Centre, *Letter to Nature,* (Sanders, R H) **359,** 131

Highly ionized gas in the nucleus of the active galaxy MCG-6-30-15, *Letter to Nature,* (Nandra, K, Pounds, K A) **359,** 215

Astrophysical jets: Squeezing gas through space, *News and views,* (Wiita, P J) **355,** 499

Activins. Involvement of $p21^{ras}$ in *Xenopus* mesoderm induction, *Letter to Nature,* (Whitman, M, Melton, D A) **357,** 252

Activins: No muscles, but what a brain, *News and views,* (Lemaire, P) **359,** 586

A truncated activin receptor inhibits mesoderm induction and formation of axial structures in Xenopus embryos, *Article,* (Hemmati-Brivanlou, A, Melton, D A) **359,** 609

Actuators. Sensors and actuators B: Chemical, *Journal review,* (Compton, R, Cammann, K, Middlehoek, S) **359,** 458

Adaptation. Evolutionary physiology: The red flag of optimality, *News and views,* (Diamond, J M) **355,** 204

Kiwi's egg, *Scientific correspondence,* (Morgan, E) **355,** 401

Adaptive radiations. Impaled prey, *Scientific correspondence,* (Gillespie, R G) **355,** 212

Adders. Why do female adders copulate so frequently?, *Letter to Nature,* (Madsen, T, Shine, R, Loman, J, Håkansson, T) **355,** 440

Evolutionary biology: Snakes and female sexuality, *News and views,* (Parker, G A) **355,** 395

Adenomatous polyposis coli. APC mutations, *Scientific correspondence,* (Gordon, A) **358,** 288

Adenoviruses. Inhibition of p53 transactivation required for transformation by adenovirus early 1B protein, *Letter to Nature,* (Yew, P R, Berk, A J) **357,** 82

Adhesins. P pili in uropathogenic *E. coli* are composite fibres with distinct fibrillar adhesive tips, *Letter to Nature,* (Kuehn, M J, Heuser, J, Normark, S, Hultgren, S J) **356,** 252

ADP-binding proteins. Structure of the recA protein-ADP complex, *Letter to Nature,* (Story, R M, Steitz, T A) **355,** 374

ADP-ribosylation factor. A role for ADP-ribosylation factor in nuclear vesicle dynamics, *Letter to Nature,* (Boman, A L, Taylor, T C, Malanon, P, Wilson, K L) **358,** 512

Brefeldin A inhibits Golgi membrane-catalysed exchange of guanine nucleotide onto ARF protein, *Letter to Nature,* (Donaldson, J G, Finazzi, D, Klausner, R D) **360,** 350

Inhibition by brefeldin A of a Golgi membrane enzyme that catalyses exchange, *Letter to Nature,* (Helms, J B, Rothman, J E) **360,** 352

Adsorption. Atomic replacement and vacancy formation and annihilation on iridium surfaces, *Letter to Nature,* (Tsong, T T, Chen, C-L) **355,** 328

Dynamics of gas-surface interactions, *Book review by* Steele, W A., **355,** 310

Advertising. Insensitive ads, *Correspondence,* (Goffinet, A M) **356,** 653

Infant food, *Correspondence,* (Adebajo, A O, Adebajo, A F) **355,** 10

Aequorin. Rapid changes of mitochondrial Ca^{2+} revealed by specifically targeted recombinant aequorin, *Letter to Nature,* (Rizzuto, R, Simpson, A W M, Brini, M, Pozzan, T) **360,** 768

Aerosols, atmospheric. Enhancements in biologically effective ultraviolet radiation following volcanic eruptions, *Letter to Nature,* (Vogelmann, A M, Ackerman, T P, Turco, R P) **359,** 47

Volcanic winter and accelerated glaciation following the Toba super-eruption, *Letter to Nature,* (Rampino, M R, Self, S) **359,** 50

Anthropogenic influence on the distribution of tropospheric sulphate aerosol, *Letter to Nature,* (Langner, J, Rodhe, H, Crutzen, P J, Zimmermann, P) **359,** 712

Glaciation: Explosive start to last ice age, *News and views,* (Ramaswamy, V) **359,** 14

Ozone depletion: Volcanic aerosols implicated, *News and views,* (Brasseur, G) **359,** 275

Observation and possible causes of new ozone depletion in Antarctica in 1991, *Article,* (Hofmann, D J, Oltmans, S J, Harris, J M, Solomon, S, Deshler, T, Johnson, B J) **359,** 283

Surface ozone depletion in Arctic spring sustained by bromine reactions on aerosols, *Letter to Nature,* (Fan, S-M, Jacob, D J) **359,** 522

Removal of sulphur from the marine boundary layer by ozone oxidation in sea-salt aerosols, *Letter to Nature,* (Sievering, H, Boatman, J, Gorman, E, Kim, Y, Anderson, L, Ennis, G, Luria, M, Pandis, S) **360,** 571

Link between iron and sulphur cycles suggested by detection of Fe(II) in remote marine aerosols, *Letter to Nature,* (Zhuang, G, Yi, Z, Duce, R A, Brown, P R) **355,** 537

Tropical stratospheric circulation deduced from satellite aerosol data, *Letter to Nature,* (Trepte, C R, Hitchman, M H) **355,** 626

Aflatoxin B. Cancer: Carcinogens leave fingerprints, *News and views,* (Vogelstein, B, Kinzler, K W) **355,** 209

Africa, biomass burning. Seasonal distribution of African savanna fires, *Letter to Nature,* (Cahoon, D R Jr, Stocks, B J, Levine, J S, Cofer, W R III, O'Neill, K P) **359,** 812

Africa, conservation. African conservation: Ways to make the West pay, *News,* (Stevens, J) **356,** 8

Africa, science policy. African National congress drafts blueprint for South African science, *News,* (Cherry, M) **358,** 611

Agriculture. Genetic resources: A gene library that goes "moo", *News,* (Anderson, C) **355,** 382

Patterns of population spread, *Scientific correspondence,* (Sokal, R R, Wilson, C, Oden, N L) **355,** 214

Today's non-Orwellian animal farm, *Commentary,* (Jukes, T H) **355,** 582

Agricultural biotech: Programme aids developing world, *News,* (Gershon, D) **356,** 735

Well-being and productivity, *Correspondence,* (Jukes, T H) **358,** 186

UK agricultural funding leans towards policy, *News,* (Mundell, I) **358,** 268

Mail-order notification would replace permits for US field tests, *News,* (Lehrman, S) **359,** 663

Freer trade in US oranges helps Japanese researchers, *News,* (Swinbanks, D) **360,** 287

Researchers ask for help to save key biopesticide, *News,* (Anderson, C) **355,** 661

AIDS blood tests. Let the French sue, *Opinion,* **358,** 2

Robert Gallo forced off NIH stage after HHS vetoes public briefing, *News,* (Culliton, B J) **358,** 3

British say Pasteur Institute slighted their help on AIDS test, *News,* (Scytre, B) **358,** 358

US rejects French request to reopen AIDS patent deal, *News,* (Anderson, C, Butler, D) **359,** 262

AIDS drugs. AIDS therapies: Kemron's secret: it doesn't work, *News,* (Anderson, C) **356,** 648

US company's gene therapy trial is first to bypass RAC for approval, *News,* (Anderson, C) **357,** 615

Researchers recommend US AIDS vaccine trials, *News,* (Watson, T) **360,** 94

Racial tensions entangle NIH in dispute over AIDS drug, *News,* (Anderson, C) **359,** 660

NIH plans trials of controversial AIDS drug, *News,* (Anderson, C) **360,** 8

AIDS research. Clinton on science, *Opinion,* **360,** 92

AIDS treatment: Confusion over therapy, *News,* (Aldhous, P) **355,** 102

AIDS trials. Ethics: Daniel Zagury cleared of misconduct charges, *News,* (Culliton, B J) **355,** 286

AIDS. AIDS in Africa, *Book review by* Wilkins, H A. **356,** 393

Aids in Africa: Its present and future impact, *Book review by* Wilkins, H A. **356,** 393

Less science, more policy at Amsterdam AIDS meeting, *News,* (Anderson, C) **357,** 9

Rage and confusion hide role of HIV, *News and views*, (Maddox, J) **357,** 188
French AIDS scandal goes to court, *News*, (Anderson, C) **358,** 6
Questions about AIDS, *Correspondence*, (Hoffmann, G W) **358,** 10
Media makes AIDS wishes come true, *News and views*, (Maddox, J) **358,** 13
Humbling of world's AIDS researchers, *News and views*, (Maddox, J) **358,** 367
AIDS causation, *Correspondence*, (Hodgkinson, N) **358,** 447
France's blood scandal draws blood, *Opinion*, **359,** 759
Verdict in French blood trial shames science, *News*, (Butler, D) **359,** 764
The mysterious virus called "isn't", *News and views*, (Culliton, B J) **358,** 619
Rising toll from AIDs in Japan prompts big jump in spending, *News*, (Swinbanks, D) **358,** 699
Catching AIDS, *Correspondence*, (Trusten, W) **358,** 705
Questions about AIDS, *Correspondence*, (Frank, L, Duesberg, P) **358,** 10
Sex education and AIDS, *Correspondence*, (Alexander, D R, Stim, E) **360,** 10
Anal sex and AIDS, *Correspondence*, (Naftalin, R J) **360,** 10
AIDS and virginity, *Opinion*, **359,** 2
Anal sex, *Correspondence*, (Åsard, P-E) **359,** 182
AIDS 91 summary: A practical synopsis of the VII international conference, *Book review by* Vile, R G. **359,** 491
AIDS 1991: A year in review, *Book review by* Vile, R G. **359,** 491
Another taboo bites the dust, *Opinion*, **360,** 397
AIDS and sexual behaviour in France, *Commentary*, (ACSF investigators) **360,** 407
Sexual lifestyles and HIV risk, *Commentary*, (Johnson, A M, Wadsworth, J, Wellings, K, Bradshaw, S, Field, J) **360,** 410
The mycoplasma factor, *News and views*, **360,** 536
Birth and HIV, *News and views*, **355,** 22
AIDS and malaria experiments, *Scientific correspondence*, (Gosden, R G) **355,** 305
UK fund created: HIV compensation, *News*, (Aldhous, P) **355,** 666

Air pollution. Air pollution and cancer risk, *Correspondence*, (Wolff, S P) **356,** 471
Air pollution and health, *Correspondence*, (Paoletti, P, Marchesi, E, Velona, F, Donato, L) **355,** 290

Aircraft emissions. Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69

Airlines, laboratory animals. Animal research: airlines vs activists, *News*, (Mervis, J) **355,** 664

Akaryotes. Neutral terms, *Scientific correspondence*, (Forterre, P) **355,** 305

Alcoholism. Children of alcoholics: A critical appraisal of theory and research, *Book review by* Edwards, G. **358,** 549

Aldose reductase. Novel NADPH-binding domain revealed by the crystal structure of aldose reductase, *Letter to Nature*, (Rondeau, J-M, Tête-Favier, F, Podjarny, A, Reymann, J-M, Barth, P, Biellmann, J-F, Moras, D) **355,** 469

Aldosteronism. A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, *Letter to Nature*, (Lifton, R P, Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) **355,** 262

Algae. Palaeoclimatology: The algal breath of life, *News and views*, (Riding, R) **359,** 13
Dunaliella: Physiology, biochemistry and biotechnology, *Book review by* Lewin, R A. **360,** 119

Allelic exclusion. Targeted disruption of µ chain membrane exon causes loss of heavy-chain allelic exclusion, *Letter to Nature*, (Kitamura, D, Rajewsky, K) **356,** 154
Allelic exclusion model questioned, *Scientific correspondence*, (Wabl, M, Steinberg, C, Oancea, A, Shuiman, M J, Rajewsky, K, Ehlich, A, Müller, W, Taki, S, Kitamura, D) **359,** 371

Allergy. Engagement of the high-affinity IgE receptor activates *src* protein-related tyrosine kinases, *Letter to Nature*, (Eiseman, E, Bolen, J B) **355,** 78

Altruism. The ant and the peacock: Altruism and sexual selection from Darwin to today, *Book review by* Hull, D L. **356,** 623
Tit for tat in heterogeneous populations, *Letter to Nature*, (Nowak, M A, Sigmund, K) **355,** 250
Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206

Aluminium. Absence of aluminium in neuritic plaque cores in Alzheimer's disease, *Letter to Nature*, (Landsberg, J P, McDonald, B, Watt, F) **360,** 65
Aluminium and global warming, *Scientific correspondence*, (Abrahamson, D.) **356,** 484

Alzheimer's disease. Absence of aluminium in neuritic plaque cores in Alzheimer's disease, *Letter to Nature*, (Landsberg, J P, McDonald, B, Watt, F) **360,** 65
Alzheimer's retraction, *Scientific correspondence*, (Kawabata, S, Higgins, G A, Gordon, J W) **356,** 23
Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein, *Letter to Nature*, (Kawabata, S, Higgins, G A, Gordon, J W) **356,** 265
Alzheimer's disease and amyloid, *News and views*, (Robertson, M) **356,** 103
Neurobiology: From cell line to brain, *News and views*, (Sanes, J R, Lichtman, J W) **356,** 562
Alzheimer's - a correction, *Scientific correspondence*, (Crawford, F, Chartier-Harlin, M-C, Mullan, M, Hardy, J, Delacourte, A, Arnott, G) **356,** 390
Targeting of cell-surface ß-amyloid precursor protein to lysosomes: alternative processing into amyloid-bearing fragments, *Letter to Nature*, (Haass, C, Koo, E H, Mellon, A, Hung, A Y, Selkoe, D J) **357,** 500
Degeneration *in vitro* of post-mitotic neurons overexpressing the Alzheimer amyloid protein precursor, *Letter to Nature*, (Yoshikawa, K, Aizawa, T, Hayashi, Y) **359,** 64
Alzheimer's disease: In search of the soluble, *News and views*, (Hardy, J, Mullan, M) **359,** 268
Amyloid ß-peptide is produced by cultured cells during normal metabolism, *Letter to Nature*, (Haass, C, Schlossmacher, M G, Hung, A Y, Vigo-Pelfrey, C, Mellon, A, Ostaszewski, B L, Lieberburg, I, Koo, E H, Schenk, D, Teplow, D B, Selkoe, D J) **359,** 322
Isolation and quantification of soluble Alzheimer's ß-peptide from biological fluids, *Letter to Nature*, (Seubert, P, Vigo-Pelfrey, C, Esch, F, Lee, M, Dovey, H, Davis, D, Sinha, S, Schlossmacher, M, Whaley, J, Swindlehurst, C, McCormack, R, Wolfert, R, Selkoe, D, Lieberburg, I, Schenk, D) **359,** 325
Mutation of the ß-amyloid precursor protein in familial Alzheimer's disease increases ß-protein production, *Letter to Nature*, (Citron, M, Oltersdorf, T, Haass, C, McConlogue, L, Hung, A Y, Seubert, P, Vigo-Pelfrey, C, Lieberburg, I, Selkoe, D J) **360,** 672

Amantadine. Influenza virus: Amantadine blocks the channel, *News and views*, (Skehel, J J) **358,** 110

Amateur scientists. Science probe! The amateur scientist's journal, *Journal review*, (Lovelock, J, Mims, F M III) **359,** 436

Amazon, archaeology. Archaeology: Amazon rocks the cradle, *News and views*, (Bahn, P G) **355,** 588

Amazon, mining. Sustainable populations?, *Scientific correspondence*, (Hambler, C, Whitmore, T C) **356,** 294
Mining in the Amazonian rainforests, *Scientific correspondence*, (Hoppe, A) **355,** 593

Amazonia, conservation. Conservation: Red tape delays funds for Amazonia, *News*, (Bonalume, R) **356,** 7

Amino acids, extraterrestrial. Amino acids from coal gasification?, *Scientific correspondence*, (Olson, E S) **357,** 202

Aminopeptidase N. Aminopeptidase N is a major receptor for the enteropathogenic coronavirus TGEV, *Letter to Nature*, (Delmas, B, Gelfi, J, L'Haridon, R, Vogel, L K, Sjöström, H, Norén, O, Laude, H) **357,** 417
Human aminopeptidase N is a receptor for human coronavirus 229E, *Letter to Nature*, (Yeager, C L, Ashmun, R A, Williams, R K, Cardellichio, C B, Shapiro, L H, Look, A T, Holmes, K V) **357,** 420

Ammunition. Shooting match, *News and views*, **355,** 209

Amphetamines. On high, *News and views*, **356,** 563

Amphipods. Deep-sea amphipod swarms, *Scientific correspondence*, (Van Dover, C L, Kaartvedt, S, Bollens, S M, Wiebe, P H, Martin, J W, France, S C) **358,** 25

Amphotericin B. Amphotericin B treatment dissociates *in vivo* replication of the scrapie agent from PrP accumulation, *Letter to Nature*, (Xi, Y G, Ingrosso, L, Ladogana, A, Masullo, C, Pocchiari, M) **356,** 598
Spongiform encephalopathies: PrP and the scrapie agent, *News and views*, (Chesebro, B) **356,** 560

Amyloid. Alzheimer's retraction, *Scientific correspondence*, (Kawabata, S, Higgins, G A, Gordon, J W) **356,** 23
Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein, *Letter to Nature*, (Kawabata, S, Higgins, G A, Gordon, J W) **356,** 265
Alzheimer's disease and amyloid, *News and views*, (Robertson, M) **356,** 103
Targeting of cell-surface ß-amyloid precursor protein to lysosomes: alternative processing into amyloid-bearing fragments, *Letter to Nature*, (Haass, C, Koo, E H, Mellon, A, Hung, A Y, Selkoe, D J) **357,** 500
Degeneration *in vitro* of post-mitotic neurons overexpressing the Alzheimer amyloid protein precursor, *Letter to Nature*, (Yoshikawa, K, Aizawa, T, Hayashi, Y) **359,** 64
Alzheimer's disease: In search of the soluble, *News and views*, (Hardy, J, Mullan, M) **359,** 268
Amyloid ß-peptide is produced by cultured cells during normal metabolism, *Letter to Nature*, (Haass, C, Schlossmacher, M G, Hung, A Y, Vigo-Pelfrey, C, Mellon, A, Ostaszewski, B L, Lieberburg, I, Koo, E H, Schenk, D, Teplow, D B, Selkoe, D J) **359,** 322
Isolation and quantification of soluble Alzheimer's ß-peptide from biological fluids, *Letter to Nature*, (Seubert, P, Vigo-Pelfrey, C, Esch, F, Lee, M, Dovey, H, Davis, D, Sinha, S, Schlossmacher, M, Whaley, J, Swindlehurst, C, McCormack, R, Wolfert, R, Selkoe, D, Lieberburg, I, Schenk, D) **359,** 325
Mutation of the ß-amyloid precursor protein in familial Alzheimer's disease increases ß-protein production, *Letter to Nature*, (Citron, M, Oltersdorf, T, Haass, C, McConlogue, L, Hung, A Y, Seubert, P, Vigo-Pelfrey, C, Lieberburg, I, Selkoe, D J) **360,** 672

Anal sex, AIDS. Anal sex and AIDS, *Correspondence*, (Naftalin, R J) **360,** 10
Anal sex, *Correspondence*, (Åsard, P-E) **359,** 182

Analog integrated circuits. Analog integrated circuits and signal processing: An international journal, *Journal review*, (Holburn, D, Ismail, M, Haigh, D G, Jujii, N) **359,** 455

Analytical chemistry. Sensors and actuators B: Chemical, *Journal review*, (Compton, R, Cammann, K, Middlehoek, S) **359,** 458

Anatomy. Wing bone stresses in free flying bats and the evolution of skeletal design for flight, *Letter to Nature*, (Swartz, S M, Bennett, M B, Carrier, D R) **359,** 726

Ancient history. Natural knowledge in preclassical antiquity, *Book review by* Temple, R. **357,** 204

Androdioecy. High outcrossing rates maintain male and hermaphrodite individuals in populations of the flowering plant *Datisca glomerata*, *Letter to Nature*, (Fritsch, P, Rieseberg, L H) **359,** 623

Angiogenesis factor. Angiogenic factor, *Scientific correspondence*, (Furukawa, T, Yoshimura, A, Sumizawa, T, Haraguchi, M, Akiyama, S-I, Fukui, K, Ishizawa, M, Yamada, Y) **356,** 668

Angiogenesis. Vascular endothelial growth factor induced by hypoxia may mediate hypoxia-initiated angiogenesis, *Letter to Nature*, (Shweiki, D, Itin, A, Soffer, D, Keshet, E) **359,** 843
Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo, *Letter to Nature*, (Plate, K H, Breier, G, Weich, H A, Risau, W) **359,** 845

Angiotensin-converting enzyme. Myocardial infarction: The ACE of hearts, *News and views*, (Kurtz, T W) **359,** 588
Deletion polymorphism in the gene for angiotensin-converting enzyme is a potent risk factor for myocardial infarction, *Letter to Nature*, (Cambien, F, Poirier, O, Lecerf, L, Evans, A, Cambou, J-P, Arveiler, D, Luc, G, Bard, J-M, Bara, L, Ricard, S, Tiret, L, Amouyel, P, Alhenc-Gelas, F, Soubrier, F) **359,** 641

Animal behaviour. Travel at low energetic cost by swimming and wave-riding bottlenose dolphins, *Letter to Nature*, (Williams, T M, Friedl, W A, Fong, M L, Yamada, R M, Sedivy, P, Haun, J E) **355,** 821
Locomotion by jumping in the Mediterranean fruit fly larva *Ceratitis capitata*, *Letter to Nature*, (Maitland, P) **355,** 159

Animal behaviour. Octopod 'ballooning' response, *Scientific correspondence*, (Boletzky, S V, Rio, M, Roux, M) **356,** 199
Parent-offspring conflict and the recruitment of helpers among bee-eaters, *Letter to Nature*, (Emlen, S T, Wrege, P H) **356,** 331
Olfactory cues influence female choice in two lek-breeding antelopes, *Letter to Nature*, (Deutsch, J C, Nefdt, R J C) **356,** 596
Defence costs, *News and views*, **357,** 17
Desert ants on a thermal tightrope, *Letter to Nature*, (Wehner, R, Marsh, A C, Wehner, S) **357,** 586
Do simple rules apply in honey-bee nestmate discrimination?, *Letter to Nature*, (Breed, M D, Julian, G E) **357,** 685
Out of the frying pan, *News and views*, (Gee, H) **357,** 541
Current communication, *News and views*, **358,** 110
Physiological and behavioural thermoregulation in bigeye tuna (*Thunnus obesus*), *Letter to Nature*, (Holland, K N, Brill, R W, Chang, R K C, Sibert, J R, Fournier, D A) **358,** 410
Quantification of role reversal in relative parental investment in a bush cricket, *Letter to Nature*, (Simmons, L W) **358,** 61
Queen activation of lazy workers in colonies of the eusocial naked mole-rat, *Letter to Nature*, (Reeve, H K) **358,** 147
Eusociality in Australian gall thrips, *Letter to Nature*, (Crespi, B J) **359,** 724
Some like it hot.., *Scientific correspondence*, (Sinha, A, Chandrashekara, K) **359,** 593
..and some even hotter, *Scientific correspondence*, (Chevaldonné, P, Desbruyères, D, Childress, J J) **359,** 593
More on bear droppings, *Scientific correspondence*, (Lo, Y-M D, Wainscoat, J S) **359,** 784
Horse scents, *News and views*, **357,** 114
Balloon response explanation?, *Scientific correspondence*, (Hovland, M) **357,** 119
Assessments and decisions: A study of information gathering by Hermit crabs, *Book review by* Huntingford, F A. **357,** 205
Animal minds, *Book review by* Whiten, A. **360,** 118
Last resting place of a thylacine, *Scientific correspondence*, (Paddle, R N) **360,** 215
Foraging behaviour of emperor penguins as a resource detector in winter and summer, *Letter to Nature*, (Ancel, A, Kooyman, G L, Ponganis, P J, Gendner, J-P, Lignon, J, Mestre, X, Huin, N, Thorson, P H, Robisson, P, Le Maho, Y) **360,** 336
Adders multiply, *Correspondence*, (Jolly, D C) **359,** 266
Eating in, *News and views*, **359,** 275
Parents suppress reproduction and stimulate dispersal in opposite-sex juvenile white-footed mice, *Letter to Nature*, (Wolff, J O) **359,** 409
No evidence for variable duration of sympatry between the great spotted cuckoo and its magpie host, *Letter to Nature*, (Zuñiga, J M, Redondo, T) **359,** 410
The new anthropomorphism, *Book review by* Ridley, M. **359,** 280
Evolution of bee dances, *Scientific correspondence*, (Rinder-

er, T E, Oldroyd, B P, Sylvester, H A, Wongsiri, S, de Guzman, L I) **360,** 305
Rapid microevolution of migratory behaviour in a wild bird species, *Letter to Nature,* (Berthold, P, Helbig, A J, Mohr, G, Querner, U) **360,** 668
Tit for tat in heterogeneous populations, *Letter to Nature,* (Nowak, M A, Sigmund, K) **355,** 250
Animal behaviour: The evolution of forgiveness, *News and views,* (Godfray, H C J) **355,** 206
Animal breeding systems. Effect of animal husbandry on herbivore-carrying capacity at a regional scale, *Letter to Nature,* (Oesterheld, M, Sala, O E, McNaughton, S J) **356,** 234
Extra-pair paternity results from female preference for high-quality males in the blue tit, *Letter to Nature,* (Kempenaers, B, Verheyen, G R, Van den Broeck, M, Burke, T, Van Broeckhoven, C, Dhondt, A A) **357,** 494
Animal defences. Chemical ecology: Rubbish birds are poisonous, *News and views,* (Diamond, J M) **360,** 19
Animal experimentation. Swiss conundrums, *Opinion,* **355,** 574
Swiss vote Sunday could restrict animal research, *News,* (Aldhous, P) **355,** 575
Animal research: airlines vs activists, *News,* (Mervis, J) **355,** 664
Animal experimentation: AFRC lays down the law, *News,* (Aldhous, P) **355,** 100
Animal research: Court favours mice, rats, birds, *News,* (Anderson, C) **355,** 191
Video lessons for UK drug researchers, *News,* (Aldhous, P) **355,** 575
Animal experimentation: Swiss public backs research, *News,* (Aldhous, P) **355,** 664
Activists burn lab, *News,* (Anderson, C) **356,** 98
Ethical scores for animal experiments, *Commentary,* (Porter, D G) **356,** 101
Animal research: Military stands firm on dissection, *News,* (Anderson, C) **356,** 554
Leave the man alone, *Opinion,* **356,** 644
Animal lib and racial bigotry, *Correspondence,* (Silk, G W, Goodwin, F K) **356,** 651
Of animals and men, *Correspondence,* (Chapman, R A, Robinson, D N) **357,** 187
Debate over animals is given a personal touch, *News,* (Mervis, J) **357,** 530
Mistaken view, *Correspondence,* (Wise, S P) **358,** 272
French court upholds use of animals, fines activists for theft of baboons, *News,* (Butler, D) **359,** 259
New rules in Britain make it harder for older scientists to use animals, *News,* (Mundell, I) **359,** 262
Proposal opens debate over US data on animals, *News,* (Watson, T) **360,** 503
Animal husbandry. Genetic resources: A gene library that goes "moo", *News,* (Anderson, C) **355,** 382
Animal models. Targeted disruption of the mouse transforming growth factor - B1 gene results in multifocal inflammatory disease, *Article,* (Shull, M M, Ormsby, I, Kier, A B, Pawlowski, S, Diebold, R J, Yin, M, Allen, R, Sidman, C, Proetzel, G, Calvin, D, Annunziata, N, Doetschman, T) **359,** 693
Nature Genetics: Mulling over mouse models, *News and views,* (Davies, K) **359,** 86
Motor neuron disease model, *Scientific correspondence,* (Vrbová, G, Greensmith, L, Sieradzan, K) **360,** 216
Cystic fibrosis: More from the modellers, *News and views,* (Wilson, J M, Collins, F S) **359,** 195
Cystic fibrosis in the mouse by targeted insertional mutagenesis, *Article,* (Dorin, J R, Dickinson, P, Alton, E W F W, Smith, S N, Geddes, D M, Stevenson, B J, Kimber, W L, Fleming, S, Clarke, A R, Hooper, M L, Anderson, L, Beddington, R S P, Porteous, D J) **359,** 211
Animal navigation. Behavioural biology: Hunt for the magnetoreceptor, *News and views,* (Wehner, R) **359,** 105
Behavioural evidence for use of a light-dependent magnetoreception mechanism by a vertebrate, *Letter to Nature,* (Phillips, J B, Borland, S C) **359,** 142
Animal physiology. History of animals (3 volumes); parts of animals, movement of animals, progression of animals (1 volume); generation of animals (1 volume), *Book review by* Temple, R. **359,** 489
The spatial arrangement of cones in the primate fovea, *Letter to Nature,* (Mollon, J D, Bowmaker, J K) **360,** 677
Animal research. Animal research: Importer indicted, *News,* (Anderson, C) **355,** 759
Animal rights. Animal research: airlines vs activists, *News,* (Mervis, J) **355,** 664
Animal research: Court favours mice, rats, birds, *News,* (Anderson, C) **355,** 191
Animal welfare. Measuring animal well-being, *Correspondence,* (Ruwan, A N, Wilson, A J, Schönthal, A) **356,** 556
Today's non-Orwellian animal farm, *Commentary,* (Jukes, T H) **355,** 582
Researchers criticize NIH response to PETA claims, *News,* (Anderson, C) **356,** 3
The covenant of the wild: Why animals choose domestication, *Book review by* Dawkins, M S. **356,** 487
Of animals and men, *Correspondence,* (Robinson, D N) **357,** 187
Measuring animal well-being: Correction, *Correspondence,* (Wilson, A J) **357,** 187
Ban on primate trade seen as threat to animals, *News,* (Mundell, I) **358,** 7
Well-being and productivity, *Correspondence,* (Jukes, T H) **358,** 186
The debate on whaling, *Correspondence,* (Holt, S) **359,** 9
The welfare state, *Correspondence,* (Jukes, T H) **360,** 100
US university told to reveal unfunded NIH application, *News,* (Anderson, C) **359,** 98
Animal welfare, *Correspondence,* (Hughes, B O) **359,** 472
Video lessons for UK drug researchers, *News,* (Aldhous, P) **355,** 575
Ankyrin. Dominant domain, *News and views,* **359,** 672
Anniversaries, scientific. Babbage's dates, *Correspondence,* (Steel, D I) **356,** 653
Eighteen-ninety two and all that, *Commentary,* (Heilbron, J L, Bynum, W F) **355,** 11
Antarctic ice sheets. Antarctic global warming?, *Scientific correspondence,* (Splettstoesser, J) **355,** 503
Antarctic ice volume and contribution to sea-level fall at 20,000 yr BP from raised beaches, *Letter to Nature,* (Colhoun, E A, Mabin, M C G, Adamson, D A, Kirk, R M) **358,** 316
Glaciation: A case of missing water, *News and views,* (Andrews, J T) **358,** 281
Evidence for basal marine ice in the Filchner-Ronne ice shelf, *Letter to Nature,* (Oerter, H, Kipfstuhl, J, Determann, J, Miller, H, Wagenbach, D, Minikin, A, Graf, W) **358,** 399
Antarctic research. New icebreaker, *News,* (Anderson, C) **356,** 279
Antarctic. Foraging behaviour of emperor penguins as a resource detector in winter and summer, *Letter to Nature,* (Ancel, A, Kooyman, G L, Ponganis, P J, Gendner, J-P, Lignon, J, Mestre, X, Huin, N, Thorson, P H, Robisson, P, Le Maho, Y) **360,** 336
Antarctica, ozone depletion. More rapid polar ozone depletion through the reaction of HOCl with HCl on polar stratospheric clouds, *Letter to Nature,* (Prather, M J) **355,** 534
Anteiopes. Concentrating mammalian urine, *Scientific correspondence,* (Greenwald, L) **356,** 295
Anthocyanins. Structural basis of blue-colour development in flower petals from *Commelina communis*, *Letter to Nature,* (Kondo, T, Yoshida, K, Nakagawa, A, Kawai, T, Tamura, H, Goto, T) **358,** 515
Anthropic principle. The anthropic view of nucleosynthesis, *News and views,* (Maddox, J) **355,** 107
Anthropology. Origin and evolution of the genus *Homo*, *Review article,* (Wood, B) **355,** 783
Anthropology. Direct radiocarbon dates for prehistoric paintings at the Altamira, El Castillo and Niaux caves, *Letter to Nature,* (Valladas, H, Cachier, H, Maurice, P, Bernaldo de Quiros, F, Clottes, J, Valdés, V C, Uzquiano, P, Arnold, M) **357,** 68
Earliest known simian primate found in Algeria, *Letter to Nature,* (Godinot, M, Mahboubi, M) **357,** 324
Earliest *Homo* debate, *Scientific correspondence,* (Feibel, C S) **358,** 289
Earliest *Homo* debate: Reply, *Scientific correspondence,* (Hill, A, Ward, S, Deino, A, Curtis, G, Drake, R) **358,** 290
Saharan exploitation of plants 8,000 years BP, *Letter to Nature,* (Wendorf, F, Close, A E, Schild, R, Wasylikowa, K, Housley, R A, Harlan, J R, Krolik, H) **359,** 721
Second gorilla or third chimp?, *News and views,* (Dean, D, Delson, E) **359,** 676
The Last Ape: Pygmy Chimpanzee Behavior and Ecology, *Book review by* Zihlman, A. **359,** 786
Earliest *homo* debate, *Scientific correspondence,* (Falk, D, Baker, E) **358,** 289
Origins reconsidered: In search of what makes us human, *Book review by* Conroy, G C. **360,** 393
Evolution and environment in the Hominoidea, *Review article,* (Andrews, P) **360,** 641
Patterns of population spread, *Scientific correspondence,* (Sokal, R R, Wilson, C, Oden, N L) **355,** 214
Anthropomorphism. The new anthropomorphism, *Book review by* Ridley, M. **359,** 280
Anti-inflammatory drugs. Natural products: Sponges to wipe away pain, *News and views,* (Mann, J) **358,** 540
Antibiotic resistance. Molecular structure of the acyl-enzyme intermediate in ß-lactam hydrolysis at 1.7Å resolution, *Article,* (Strynadka, N C J, Adachi, H, Jensen, S E, Johns, K, Sielecki, A, Betzel, C, Sutoh, K, James, M N G) **359,** 700
Drug ring bust, *News and views,* (Riddihough, G) **359,** 674
Antibodies, antigenized. Antigenized antibodies, *Product review,* (Zanetti, M) **355,** 476
Antibodies. Antibody and HIV-1 gp120 recognition of CD4 undermines the concept of mimicry between antibodies and receptors, *Letter to Nature,* (Davis, S J, Schockmel, G A, Somoza, C, Buck, D W, Healey, D G, Rieber, E P, Reiter, C, Williams, A F) **358,** 76
Immunization of hu-PBL-SCID mice and the rescue of human monoclonal Fab fragments through combinatorial libraries, *Letter to Nature,* (Duchosal, M A, Eming, S A, Fischer, P, Leturcq, D, Barbas, C F, McConahey, P J, Caothien, R H, Thornton, G B, Dixon, F J, Burton, D R) **355,** 258
Identification of a Fab interaction footprint site on an icosahedral virus by cryoelectron microscopy and X-ray crystallography, *Letter to Nature,* (Wang, G, Porta, C, Chen, Z, Baker, T S, Johnson, J E) **355,** 275
Antibody libraries. Antibodies from libraries, *Scientific correspondence,* (Burton, D R, Barbas, C F III) **359,** 782
Antibody structure. The three-dimensional structure of an intact monoclonal antibody for canine lymphoma, *Letter to Nature,* (Harris, L J, Larson, S B, Hasel, K W, Day, J, Greenwood, A, McPherson, A) **360,** 369
Antigen binding. Mapping antibody binding sites on protein antigens, *Product review,* (Paterson, Y) **356,** 456
Tetrameric cell-surface MHC class I molecules, *Letter to Nature,* (Krishna, S, Benaroch, P, Pillai, S) **357,** 164
Presentation of viral antigen by MHC class I molecules is dependent on a putative peptide transporter heterodimer, *Letter to Nature,* **355,** 644
Antigen presentation. Effect of polymorphism of an MHC-linked transporter on the peptides assembled in a class I molecule, *Article,* (Powis, S J, Deverson, E V, Coadwell, W J, Ciruela, A, Huskisson, N S, Smith, H, Butcher, G W, Howard, J C) **357,** 211
Location of MHC-encoded transporters in the endoplasmic reticulum and *cis*-Golgi, *Letter to Nature,* (Kleijmeer, M J, Kelly, A, Geuze, H J, Slot, J W, Townsend, A, Trowsdale, J) **357,** 342
Proteolysis, proteasomes and antigen presentation, *Review article,* (Goldberg, A L, Rock, K L) **357,** 375
Antigen presentation enhanced by the alternatively spliced invariant chain gene product p41, *Letter to Nature,* (Peterson, M, Miller, J) **357,** 596
Processing pathways for presentation of cytosolic antigen to MHC class II-restricted T cells, *Letter to Nature,* (Malnati, M S, Marti, M, LaVaute, T, Jaraquemada, D, Biddison, W, DeMars, R, Long, E O) **357,** 702
Tyrosine-containing motif that transduces cell activation signals also determines internalization and antigen presentation via type III receptors for IgG, *Letter to Nature,* (Amigorena, S, Salamero, J, Davoust, J, Fridman, W H, Bonnerot, C) **358,** 337
Antigen presentation: Flying the first class flag, *News and views,* (Parham, P) **357,** 193
Proteasome subunits encoded by the major histocompatibility complex are not essential for antigen presentation, *Letter to Nature,* (Momburg, F, Ortiz-Navarrete, V, Neefjes, J, Goulmy, E, van de Wal, Y, Spits, H, Powis, S J, Butcher, G W, Howard, J C, Walden, P, Hämmerling, G J) **360,** 174
Signalling through the MHC class II cytoplasmic domain is required for antigen presentation and induces B7 expression, *Letter to Nature,* (Nabavi, N, Freeman, G J, Gault, A, Godfrey, D, Nadler, L M, Glimcher, L H) **360,** 266
CD1b restricts the response of human CD4+8- T lymphocytes to a microbial antigen, *Letter to Nature,* (Porcelli, S, Morita, C T, Brenner, M B) **360,** 593
Antigen processing. Antigen processing: Who needs peptide transporters?, *News and views,* (Dobberstein, B) **355,** 109
Ham-2 corrects the class I antigen processing defect in RMA-S cells, *Letter to Nature,* **355,** 647
HLA-A2 molecules in an antigen-processing mutant cell contain signal sequence-derived peptides, *Letter to Nature,* (Wei, M L, Cresswell, P) **356,** 443
Antigen processing: A new presentation pathway?, *News and views,* (Townsend, A) **356,** 386
Signal sequence identified, *Scientific correspondence,* (Hartmann, E, Rapoport, T A, Prehn, S) **358,** 198
Proteasome subunits encoded in the MHC are not generally required for the processing of peptides bound by MHC class I molecules, *Letter to Nature,* (Arnold, D, Driscoll, J, Androlewicz, M, Hughes, E, Cresswell, P, Spies, T) **360,** 171
HLA-DR molecules from an antigen-processing mutant cell line are associated with invariant chain peptides, *Letter to Nature,* (Riberdy, J M, Newcomb, J R, Surman, M J, Barbosa, J A, Cresswell, P) **360,** 474
Antigenized antibodies. Antigenized antibodies, *Product review,* (Zanetti, M) **355,** 476
Antisemitism. Russian academy vote excludes Jews, *News,* (Pokrovsky, V) **357,** 617
Academy's letter to Russian raises issue of political views, *News,* (Mundell, I) **358,** 442
Antisense oligonucleotides. Antisense c-*myb* oligonucleotides inhibit intimal arterial smooth muscle cell accumulation *in vivo*, *Letter to Nature,* (Simons, M, Edelman, E R, DeKeyser, J-L, Langer, R, Rosenberg, R D) **359,** 67
Antitrypsin. The mechanism of Z α,-antitrypsin accumulation in the liver, *Letter to Nature,* (Lomas, D A, Evans, D Li, Finch, J T, Carrell, R W) **357,** 605
Protein transport: Z and the insoluble answer, *News and views,* (Sifers, R N) **357,** 541
Ants. Desert ants on a thermal tightrope, *Letter to Nature,* (Wehner, R, Marsh, A C, Wehner, S) **357,** 586
Out of the frying pan, *News and views,* (Gee, H) **357,** 541
Some like it hot..., *Scientific correspondence,* (Sinha, A, Chandrashekara, K) **359,** 593
...and some even hotter, *Scientific correspondence,* (Chevaldonné, P, Desbruyères, D, Childress, J J) **359,** 593
Strong selection on a gene that influences reproductive competition in a social insect, *Letter to Nature,* (Ross, K G) **355,** 347
Anyons. Anyons, *Correspondence,* (Liu, S W-W) **360,** 100
Apolipoproteins. Apolipoprotein B intermediates, *Scientific correspondence,* (Chuck, S L, Lingappa, V R) **356,** 115
Apolipoprotein B intermediates: Reply, *Scientific correspondence,* (Pease, R, Harrison, G, Leiper, J, Scott, J) **356,** 115

Atherogenesis in transgenic mice expressing human apolipoprotein(a). *Letter to Nature*, (Lawn, R M, Wade, D P, Hammer, R E, Chiesa, G, Verstuyft, J G, Rubin, E M) **360,** 670

Apoptosis. Apoptosis: The molecular basis of cell death. *Book review by* Williams, G T. **356,** 28

Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis. *Article*, (Watanabe-Fukunaga, R, Brannan, C I, Copeland, N G, Jenkins, N A, Nagata, S) **356,** 314

Antigen-induced apoptotic death of Ly-1 B cells responsible for autoimmune disease in transgenic mice. *Letter to Nature*, (Murakami, M, Tsubata, T, Okamoto, M, Shimizu, A, Kumagai, S, Imura, H, Honjo, T) **357,** 77

Shigella flexneri induces apoptosis in infected macrophages. *Letter to Nature*, (Zychlinsky, A, Prevost, M C, Sansonetti, P J) **358,** 167

Apoptotic cell death induced by c-*myc* is inhibited by *bcl-2*. *Letter to Nature*, (Bissonnette, R P, Echeverri, F, Mahboubi, A, Green, D R) **359,** 552

Cooperative interaction between c-*myc* and *bcl-2* proto-oncogenes. *Letter to Nature*, (Fanidi, A, Harrington, E A, Evan, G I) **359,** 554

Applied Biosystems. Perkin-Elmer to buy Applied Biosystems to broaden markets. *News*, (Gershon, D) **359,** 570

Appointments. New head of NEC research institute in US hopes to change our view of computers. *News*, (Corcoran, E) **360,** 97

Alberts emphasizes education as nominee to head NAS. *News*, (Mervis, J) **359,** 264

Arachidonic acid. Neurotransmission: A retrograde step forward. *News and views*, (Nicholls, D G) **360,** 106

Archaean. Proterozoic crustal extension and the generation of dome-and-keel structure in an Archaean granite-greenstone terrane. *Letter to Nature*, (Marshak, S, Alkmim, F F, Jordt-Evangelista, H) **357,** 491

Formation of an Archaean continent. *Review article*, (de Wit, M J, Roering, C, Hart, R J, Armstrong, R A, de Ronde, C E J, Green, R W E, Tredoux, M, Peberdy, E, Hart, R A) **357,** 553

Archaebacteria. Novel major archaebacterial group from marine plankton. *Letter to Nature*, (Fuhrman, J A, McCallum, K, Davis, A A) **356,** 148

Neutral terms. *Scientific correspondence*, (Forterre, P) **355,** 305

Archaeoastronomy. Archaeoastronomy: Dating supernova remnants. *News and views*, (Manchester, R N) **356,** 660

Archaeology. Archaeology: The making of a mummy. *News and views*, (Bahn, P G) **356,** 109

The flood from Heaven: Deciphering the Atlantis legend. *Book review by* Renfrew, C. **356,** 642

Recovering Bacon's paradox. *Correspondence*, (Gould, S J) **356,** 653

Archaeology: Under the skin of Nazca. *News and views*, (Bray, W) **358,** 19

Enigma variations. *News and views*, **357,** 192

Chemical evidence for ancient beer. *Scientific correspondence*, (Michel, R H, McGovern, P E, Badler, V R) **360,** 24

Breaking the Maya Code. *Book review by* Saunders, N J. **360,** 26

Dating of Nazca aqueducts. *Scientific correspondence*, (Barnes, M) **359,** 111

The earliest Acheulean from Konso-Gardula. *Letter to Nature*, (Asfaw, B, Beyene, Y, Suwa, G, Walter, R C, White, T D, WoldeGabriel, G, Yemane, T) **360,** 732

Archaeology: Amazon rocks the cradle. *News and views*, (Bahn, P G) **355,** 588

Ancient error. *Correspondence*, (Erzinclioglu, Z) **355,** 195

Archaeopteryx. Archaeopteryx fossil disappears from private collection. *News*, (Abbott, A) **357,** 6

Architecture. Houses for science: A pictorial history of Cold Spring Harbor Laboratory. *Book review by* Galloway, J W. **356,** 628

Arctic ozone depletion. Ozone depletion: Mixed Arctic results. *News*, (Mundell, I) **356,** 552

Bromoform emission from Arctic ice algae. *Letter to Nature*, (Sturges, W T, Cota, G F, Buckley, P T) **358,** 660

Photochemical bromine production implicated in Arctic boundary-layer ozone. *Letter to Nature*, (McConnell, J C, Henderson, G S, Barrie, L, Bottenheim, J, Niki, H, Langford, C H, Templeton, E M J) **355,** 150

Arctic, pollution. Garbage in paradise. *Scientific correspondence*, (France, R) **355,** 504

Arginine vasopressin receptors. Molecular cloning and expression of a rat V1a arginine vasopressin receptor. *Letter to Nature*, (Morel, A, O'Carroll, A-M, Brownstein, M J, Lolait, S J) **356,** 523

Aristotle. History of animals (3 volumes); parts of animals, movement of animals, progression of animals (1 volume); generation of animals (1 volume). *Book review by* Temple, R. **359,** 489

Arms control. Closing Pandora's Box: Arms races, arms control and the history of the Cold War. *Book review by* Freedman, L. **360,** 386

Europe's lesser nuclear powers in flux. *Opinion*, **355,** 283

Art, geometry. The heritage of Giotto's geometry: Art and science on the eve of the scientific revolution. *Book review by* Massing, J M. **355,** 507

Art, palaeolithic. Palaeolithic art found in China. *Scientific correspondence*, (Bednarik, R G) **356,** 116

Art, science in. Industrial heritage celebrated in art. *News and views*, (Pease, R) **355,** 498

Arthropod evolution. Insect fossils: End of the 'Uniramia' taxon. *News and views*, (Shear, W A) **359,** 477

Articulins. Skeleton key. *News and views*, **359,** 478

Artificial environments. Artificial environment: Japan builds mini earth. *News*, (Swinbanks, D) **355,** 287

Artificial intelligence. Artificial believers: The ascription of belief. *Book review by* Aleksander, I. **357,** 549

Minds and machines: Journal for artificial intelligence, philosophy, and cognitive science. *Journal review*, (Fox, J, Fetzer, J H) **359,** 462

The turing option. *Book review by* Aleksander, I. **360,** 395

Artificial life. Artificial Life: The Quest for a New Creation. *Book review by* Dawkins, R. **360,** 25

Artists. Artists' offspring. *Correspondence*, (Beck, R A) **356,** 189

Running in the family. *Correspondence*, (Crawford, E, Gilmore, D, James, W H, Connolly, P C) **357,** 272

Artists' offspring. *Correspondence*, (Rubinstein, L V, Koutsoukos, A D) **357,** 106

Ashby, Lord Eric. Obituary: Lord Ashby (1904 - 1992). *News and views*, (Rhodes, F H T) **360,** 208

Asia, environment. Green scheme to open Asian markets. *News*, (Anderson, C) **355,** 194

Asimov, Isaac. Isaac Asimov (1920-1992). *News and views*, (Sagan, C) **357,** 113

Aspartic acid, dating. Rapid racemization of aspartic acid in mollusc shells and potential for dating over recent centuries. *Letter to Nature*, (Goodfriend, G A) **357,** 399

Aspirin. The aspirin wars: Money, medicine and 100 years of rampant competition. *Book review by* Medawar, C. **357,** 651

Associative visual agnosia. Neuropsychology: Drawing upon the mind's eye. *News and views*, (Gurd, J M, Marshall, J C) **359,** 590

Dissociation between mental imagery and object recognition in a brain-damaged patient. *Letter to Nature*, (Behrmann, M, Winocur, G, Moscovitch, M) **359,** 636

Astacins. Structure of astacin and implications for activation of astacins and zinc-ligation of collagenases. *Letter to Nature*, (Bode, W, Gomis-Rüth, F X, Huber, R, Zwilling, R, Stöcker, W) **358,** 164

Asteroids. Deflection and fragmentation of near-Earth asteroids. *Review article*, (Ahrens, T J, Harris, A W) **360,** 429

Hit or miss?. *Correspondence*, (Schwartz, S E) **355,** 196

Astronomy, high-energy. High-energy astronomy: The big accelerator in the sky. *News and views*, (Phinney, E S) **358,** 189

Astronomy, Russia. Freedom does not bring money. *Correspondence*, (Bochkarev, N G, Chernin, A D, Efremov, Yu N, Samus, N N, Zasov, A V) **355,** 384

Astronomy, UK. Hoyle statue unveiled. *News*, (Maddox, J) **358,** 269

UK astronomy: Shakeup for Royal Observatories. *News*, (Aldhous, P) **355,** 380

Astronomy. Unusual telescopes. *Book review by* Hanbury Brown, R. **356,** 205

Any which way. *News and views*, **356,** 288

Identification of the pulsar PSR1509-58 with the 'guest star' of AD 185. *Letter to Nature*, (Thorsett, S E) **356,** 690

The mind's sky: Human intelligence in a cosmic context. *Book review by* Price, H. **356,** 632

Stars. *Book review by* Hughes, D W. **356,** 634

The astronomy and astrophysics encyclopedia. *Book review by* Tayler, R J. **356,** 395

A concise dictionary of astronomy. *Book review by* Tayler, R J. **356,** 395

Gemini telescope project shifts into high gear. *News*, (Mervis, J) **357,** 430

Star wars - the astronomers strike back. *News*, (Mundell, I) **357,** 430

Bright spark. *News and views*, **357,** 441

Extreme gas pressures in the galactic bulge. *Letter to Nature*, (Spergel, D N, Blitz, L) **357,** 665

In season. *News and views*, **358,** 110

The fullness of space: Nebulae, stardust, and the interstellar medium. *Book review by* Kahn, F D. **358,** 118

Dust in the galactic environment. *Book review by* Kahn, F D. **358,** 118

A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942. *Letter to Nature*, (Mirabel, I F, Rodríguez, L F, Cordier, B, Paul, J, Lebrun, F) **358,** 215

Low-mass stars in the spheroid of our Galaxy. *Article*, (Richer, H B, Fahlman, G G) **358,** 383

Identification of V1017 Sgr as a cataclysmic variable binary system with unusually long period. *Letter to Nature*, (Sekiguchi, K) **358,** 563

Galactic centre: Hard-pressed molecular clouds. *News and views*, (Morris, M) **357,** 640

Astronomy: Puzzling pulsations explained. *News and views*, (Sion, E M) **358,** 545

Rates of collapse and evaporation of globular clusters. *Letter to Nature*, (Hut, P, Djorgovski, S) **359,** 806

Ecology of globular clusters. *News and views*, (Heggie, D C) **359,** 772

Any which way: Correction. *News and views*, **357,** 199

Astronomical masers. *Book review by* Cohen, R J. **357,** 204

Astronomy: Fire burn and cauldron bubble. *News and views*, (Blitz, L) **357,** 361

Gamma-ray bursts: Spectral breaks for theorists. *News and views*, (Baring, M G) **358,** 624

Italian science. *Correspondence*, (Pacini, F, Boella, G, Bussoletti, E, Dobrowolny, M, Vetrella, S) **359,** 10

Astronomy: Phoenix galaxies. *News and views*, (Hernquist, L) **360,** 105

Planetary formation: Finding circumstellar disks. *News and views*, (Strom, S E) **359,** 360

Circumstellar disks deduced from sub-arcsecond polarization observations of two young stars. *Letter to Nature*, (Pirola, V, Scaltriti, F, Coyne, G V) **359,** 399

Astronomical and astrophysical transactions: The journal of the Soviet Astronomical society. *Journal review*, (Rowan-Robinson, M, Bochkarev, N G) **359,** 460

Journey through the Universe. *Book review by* Silk, J. **355,** 407

Isaac Asimov's guide to Earth and space. *Book review by* Silk, J. **355,** 407

Astrophysical jets. Astrophysical jets: Squeezing gas through space. *News and views*, (Wiita, P J) **355,** 499

Collimation of astrophysical jets by inertial confinement. *Letter to Nature*, (Icke, V, Mellema, G, Balick, B, Eulderink, F, Frank, A) **355,** 524

Three-dimensional motion in the radio jet of the binary system R Aquarii. *Letter to Nature*, (Lehto, H J, Johnson, D R H) **355,** 705

Astrophysics. German astronomers fight rumoured closing of institute. *News*, (Abbott, A) **358,** 267

Starbursts in the nuclei of shell galaxies. *Letter to Nature*, (Hernquist, L, Weil, M L) **358,** 734

Astrophysics: Stellar opacities in a flash. *News and views*, (Guenther, D B) **359,** 585

Beaming down. *News and views*, **359,** 590

New for old. *News and views*, **359,** 672

The physics of astrophysics. Volume 1: Radiation. Volume 2: Gas dynamics. *Book review by* Hughes, P A. **357,** 122

High-energy cosmic-ray origin. *Scientific correspondence*, (Chi, X, Dahanayake, C, Wdowczyk, J, Wolfendale, A W, Ball, L, Melrose, D, Norman, C, Bryant, D A, Powell, G I, Perry, C H) **359,** 23

Astrophysics: Dark matter versus magnetism. *News and views*, (Binney, J) **360,** 624

Asymmetry, biological. Biological asymmetry and handedness. Ciba Foundation Symposium 162. *Book review by* Slack, J. **355,** 217

Atherogenesis. Antisense c-*myb* oligonucleotides inhibit intimal arterial smooth muscle cell accumulation *in vivo*. *Letter to Nature*, (Simons, M, Edelman, E R, DeKeyser, J-L, Langer, R, Rosenberg, R D) **359,** 67

Atherosclerosis. Atherogenesis in transgenic mice expressing human apolipoprotein(a). *Letter to Nature*, (Lawn, R M, Wade, D P, Hammer, R E, Chiesa, G, Verstuyft, J G, Rubin, E M) **360,** 670

Medical genetics: arterial harding in mice. *News and views*, (Scott, J) **360,** 631

Athletics. No improvement in running?. *Scientific correspondence*, (Lichtenberg, D B, Julin, A L, Sugden, P H) **356,** 21

Concentrating mammalian urine. *Scientific correspondence*, (Greenwald, L) **356,** 295

Will women soon outrun men?. *Scientific correspondence*, (Whipp, B J, Ward, S A) **355,** 25

Atlantis. The flood from Heaven: Deciphering the Atlantis legend. *Book review by* Renfrew, C. **356,** 642

Atmosphere, evolution of. Atmospheric evolution: Life and the rock cycle. *News and views*, (Veizer, J) **359,** 587

Carbon isotope evidence for the stepwise oxidation of the Proterozoic environment. *Article*, (Des Marais, D J, Strauss, H, Summons, R E, Hayes, J M) **359,** 605

Palaeoclimatology: The algal breath of life. *News and views*, (Riding, R) **359,** 13

Atmospheric chemistry. Interhemispheric asymmetry in OH abundance inferred from measurements of atmospheric ^{14}CO. *Letter to Nature*, (Brenninkmeijer, C A M, Manning, M R, Lowe, D C, Wallace, G, Sparks, R J, Volz-Thomas, A) **356,** 50

Evidence for a decline of PCBs and PAHs in rural vegetation and air in the United Kingdom. *Letter to Nature*, (Jones, K C, Sanders, G, Wild, S R, Burnett, V, Johnston, A E) **356,** 137

Ozone depletion: Ultraviolet on the increase. *News and views*, (Crutzen, P J) **356,** 104

Large air-sea gas fluxes associated with breaking waves. *Letter to Nature*, (Wallace, D W R, Wirick, C D) **356,** 694

Global biomass burning: Atmospheric, climatic, and biospheric implications. *Book review by* Overpeck, J T. **356,** 670

Time-dependent ozone depletion potentials for short- and long-term forecasts. *Review article*, (Solomon, S, Albritton, D L) **357,** 33

Consumption of atmospheric methane by desert soils. *Letter to Nature*, (Striegl, R G, McConnaughey, T A, Thorstenson, D C, Weeks, E P, Woodward, J C) **357,** 145

Global change: Middle atmosphere cooling. *News and views*, (Garcia, R R) **357,** 18

Slowing down of the global accumulation of atmospheric methane during the 1980s. *Letter to Nature*, (Steele, L P, Dlugokencky, E J, Lang, P M, Tans, P P, Martin, R C, Masarie, K A) **358,** 313

Acceleration of the rate of nitrite oxidation by freezing in aqueous solution. *Letter to Nature*, (Takenaka, N, Ueda, A, Maeda, Y) **358,** 736

Acid test. *News and views*, **359,** 363

A decrease in the growth rates of atmospheric halon concentrations, *Letter to Nature*, (Butler, J H, Elkins, J W, Hall, B D, Cummings, S O, Montzka, S A) **359,** 403

Surface ozone depletion in Arctic spring sustained by bromine reactions on aerosols, *Letter to Nature*, (Fan, S-M, Jacob, D J) **359,** 522

Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69

More rapid polar ozone depletion through the reaction of HOCl with HCl on polar stratospheric clouds, *Letter to Nature*, (Prather, M J) **355,** 534

Photochemical bromine production implicated in Arctic boundary-layer ozone, *Letter to Nature*, (McConnell, J C, Henderson, G S, Barrie, L, Bottenheim, J, Niki, H, Langford, C H, Templeton, E M J) **355,** 150

Indirect chemical effects of methane on climate warming, *Letter to Nature*, (Lelieveld, J, Crutzen, P J) **355,** 339

More questions on forest decline, *Scientific correspondence*, (Simonaitis, R, Olszyna, K J, Meagher, J F) **355,** 402

Atmospheric circulation. Tropical stratospheric circulation deduced from satellite aerosol data, *Letter to Nature*, (Trepte, C R, Hitchman, M H) **355,** 626

Atmospheric dynamics, Venus. Atmospheric cellular convection, *Scientific correspondence*, (Baker, R D II, Schubert, G) **359,** 370

Cellular convection in the atmosphere of Venus, *Letter to Nature*, (Baker, R D, Schubert, G) **355,** 710

Atmospheric cellular convection, *Scientific correspondence*, (Scorer, R S) **359,** 370

Variable oxygen airglow on Venus as a probe of atmospheric dynamics, *Letter to Nature*, (Allen, D, Crisp, D, Meadows, V) **359,** 516

Atmospheric dynamics. Global propagation of interannual fluctuations in atmospheric angular momentum, *Letter to Nature*, (Dickey, J O, Marcus, S L, Hide, R) **357,** 484

Structure of stratospheric intrusions into the troposphere, *Letter to Nature*, (Appenzeller, C, Davies, H C) **358,** 570

Possible connection between surface winds, solar activity and the Earth's magnetic field, *Letter to Nature*, (Anderson, R Y) **358,** 51

Atmospheric science. NCAR under fire, a victim of its own success, *News*, (Anderson, C) **358,** 8

Extreme weather events, *Scientific correspondence*, (Kepperne, C L, Ghil, M) **358,** 547

Evidence for photochemical control of ozone concentrations in unpolluted marine air, *Letter to Nature*, (Ayers, G P, Penkett, S A, Gillett, R W, Bandy, B, Galbally, I E, Meyer, C P, Elsworth, C M, Bentley, S T, Forgan, B W) **360,** 446

Atom bomb. British scientists and the Manhattan Project: The Los Alamos years, *Book review by* Peierls, R. **357,** 290

The Los Alamos primer: The first lectures on how to build an atom bomb, *Book review by* Peierls, R. **357,** 290

Atom optics. Atom optics: Atoms brought to a new focus, *News and views*, (Foot, C) **355,** 303

Atom trapping. Quantum optics: Crystals with a light touch, *News and views*, (Steane, A, Foot, C) **358,** 715

Atom traps. Two into nothing, *News and views*, **355,** 22

Atomic bomb tests. NAS to redo atomic studies found to be flawed, *News*, (Anderson, C) **359,** 354

Myths of the German atom bomb, *Commentary*, (Walker, M) **359,** 473

Atomic bombs, genetic defects. The children of the atomic bomb survivors: A genetic study, *Book review by* Crow, J F. **357,** 31

Atomic force microscopy. Sticking point, *News and views*, **358,** 538

Friction measurements on phase-separated thin films with a modified atomic force microscope, *Letter to Nature*, (Overney, R M, Meyer, E, Frommer, J, Brodbeck, D, Lüthi, R, Howald, L, Güntherodt, H-J, Fujihira, M, Takano, H, Gotoh, Y) **359,** 133

Atomic physics. Multiple-shell structures of laser-cooled $^{24}Mg^{+}$ ions in a quadrupole storage ring, *Letter to Nature*, (Birkl, G, Kassner, S, Walther, H) **357,** 310

Atomic physics: Clarity in ion traps, *News and views*, (Segal, D, Thompson, R) **357,** 280

Atom optics: Atoms brought to a new focus, *News and views*, (Foot, C) **355,** 303

Two into nothing, *News and views*, **355,** 22

Atomic research. Helical fusion machine on course, *News*, (Swinbanks, D) **356,** 468

ATP receptors. Cell-to-cell spread of calcium signals mediated by ATP receptors in mast cells, *Letter to Nature*, (Osipchuk, Y, Cahalan, M) **359,** 241

ATP-driven transporters. Antigen processing: Who needs peptide transporters?, *News and views*, (Dobberstein, B) **355,** 109

ATP. ATP mediates fast synaptic transmission in mammalian neurons, *Letter to Nature*, (Evans, R J, Derkach, V, Surprenant, A) **357,** 503

Control of CFTR chloride conductance by ATP levels through non-hydrolytic binding, *Letter to Nature*, (Quinton, P M, Reddy, M M) **360,** 79

Neurotransmitters: ATP joins the fast lane, *News and views*, (Benham, C D) **359,** 103

ATP receptor-mediated synaptic currents in the central nervous system, *Letter to Nature*, (Edwards, F A, Gibb, A J, Colquhoun, D) **359,** 144

Aurorae. The aurora: Sun-earth interactions, *Book review by* Saunders, M. **360,** 428

Australia, research funding. Australian universities squeezed, *News*, (Lawson, M) **357,** 101

Australia increases funds for grants and applied research, *News*, (Lawson, M) **358,** 700

Australia: Funding scheme dies, *News*, (Lawson, M) **355,** 663

Australia, research. Australia: New research centres, *News*, (Lawson, M) **355,** 9

Australia: Woman to head CSIRO, *News*, (Lawson, M) **355,** 9

Australia, salaries. Australia steps up, *News*, (Lawson, M) **356,** 469

Australia, science. Squabbling over Australian science, *News*, (Lawson, M) **360,** 504

Australia, technology. Australia: Science city launched, *News*, (Lawson, M) **356,** 5

Austria, clinical research. Austrian system squeezes out young clinical researchers, *News*, (Abbott, A) **357,** 104

Authorship. Authors by right, *Correspondence*, (Gee, J H R) **355,** 290

Authors and egos, *Correspondence*, (Mares, M A) **356,** 471

Authorship: Writer's cramp, *News*, (Anderson, C) **355,** 101

Autocatalysis. Autocatalytic self-replicating micelles as models for prebiotic structures, *Letter to Nature*, (Bachmann, P A, Luisi, P L, Lang, J) **357,** 57

Autoimmunity. Antigen-induced apoptotic death of Ly-1 B cells responsible for autoimmune disease in transgenic mice, *Letter to Nature*, (Murakami, M, Tsubata, T, Okamoto, M, Shimizu, A, Kumagai, S, Imura, H, Honjo, T) **357,** 77

Prevention of experimental autoimmune encephalomyelitis by antibodies against α4β1 integrin, *Letter to Nature*, (Yednock, E A, Cannon, C, Fritz, L C, Sanchez-Madrid, F, Steinman, L, Karin, N) **356,** 63

Autoimmunity: Hidden lymphocytes, *News and views*, (DeFranco, A L) **357,** 14

Molecular mimicry in liver disease, *Scientific correspondence*, (Burroughs, A K, Butler, P, Sternberg, M J E, Baum, H) **358,** 377

Spreading of T-cell autoimmunity to cryptic determinants of an autoantigen, *Letter to Nature*, (Lehmann, P V, Forsthuber, T, Miller, A, Sercarz, E E) **358,** 155

Targeted disruption of the mouse transforming growth factor - β1 gene results in multifocal inflammatory disease, *Article*, (Shull, M M, Ormsby, I, Kier, A B, Pawlowski, S, Diebold, R J, Yin, M, Allen, R, Sidman, C, Proetzel, G, Calvin, D, Annunziata, N, Doetschman, T) **359,** 693

Diabetes: Breast may well be best, *News and views*, (Baxter, A G, Cooke, A) **359,** 194

Autoimmune diabetes as a consequence of locally produced interleukin-2, *Letter to Nature*, (Heath, W R, Allison, J, Hoffmann, M W, Schönrich, G, Hämmerling, G, Arnold, B, Miller, J F A P) **359,** 547

Automation. Automated factories ahead, *News*, (Swinbanks, D) **357,** 100

Autotomy. Regeneration in sea lilies, *Scientific correspondence*, (Amemiya, S, Oji, T) **357,** 546

Axions. Down the tube, *News and views*, **357,** 641

B cells. Antigen-induced apoptotic death of Ly-1 B cells responsible for autoimmune disease in transgenic mice, *Letter to Nature*, (Murakami, M, Tsubata, T, Okamoto, M, Shimizu, A, Kumagai, S, Imura, H, Honjo, T) **357,** 77

Epstein-Barr virus infection and replication in a human epithelial cell system, *Letter to Nature*, (Li, Q X, Young, L S, Niedobitek, G, Dawson, C W, Birkenbach, M, Wang, F, Rickinson, A B) **356,** 347

Autoimmunity: Hidden lymphocytes, *News and views*, (DeFranco, A L) **357,** 14

Signalling through the MHC class II cytoplasmic domain is required for antigen presentation and induces B7 expression, *Letter to Nature*, (Nabavi, N, Freeman, G J, Gault, A, Godfrey, D, Nadler, L M, Glimcher, L H) **360,** 266

B-1 cells. How do B-1 cells originate?, *News and views*, (DeFranco, A L) **357,** 14

Bacteria. Whipple's bacterium, *News and views*, **358,** 538

Waste management, *News and views*, **360,** 420

Bacterial nomenclature. Bacteria and eukaryotes, *Scientific correspondence*, (Cavalier-Smith, T) **356,** 570

Bacteriology. P pili in uropathogenic *E. coli* are composite fibres with distinct fibrillar adhesive tips, *Letter to Nature*, (Kuehn, M J, Heuser, J, Normark, S, Hultgren, S J) **356,** 252

Shigella flexneri induces apoptosis in infected macrophages, *Letter to Nature*, (Zychlinsky, A, Prevost, M C, Sansonetti, P J) **358,** 167

Decline and fall of marine snow, *News and views*, (Pease, R) **359,** 102

Self-cleaning of the Gulf, *Scientific correspondence*, (Sorkhoh, N, Al-Hasan, R, Radwan, S, Höpner, T) **359,** 109

Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution, *Letter to Nature*, (Smith, D C, Simon, M, Alldredge, A L, Azam, F) **359,** 139

Mats of giant sulphur bacteria on deep-sea sediments due to fluctuating hydrothermal flow, *Letter to Nature*, (Gundersen, J K, Jørgensen, B B, Larsen, E, Jannasch, H W) **360,** 454

Control of RNase E-mediated RNA degradation by 5'terminal base pairing in *E. Coli*, *Letter to Nature*, (Bouvet, P, Belasco, J G) **360,** 488

Neutral terms, *Scientific correspondence*, (Forterre, P) **355,** 305

Basalts, mid-ocean ridges. Spatial and temporal variability in the geochemistry of basalts from the East Pacific Rise, *Article*, (Reynolds, J R, Langmuir, C H, Bender, J F, Kastens, K A, Ryan, W B F) **359,** 493

Basalts, ocean-island. A refractory HIMU component in the sources of island-arc magma, *Letter to Nature*, (Hickey-Vargas, R) **360,** 57

Bates, Henry Walter. Left out, *Correspondence*, (Ferreira, R) **355,** 384

Bats. Wing bone stresses in free flying bats and the evolution of skeletal design for flight, *Letter to Nature*, (Swartz, S M, Bennett, M B, Carrier, D R) **359,** 726

The bats of Texas, *Book review by* Hutson, A M. **357,** 123

Bayesian reasoning. Bayes or bust? A critical examination of Bayesian confirmation theory, *Book review by* Howson, C. **358,** 552

Bcl-3 oncoprotein. The candidate oncoprotein Bcl-3 is an antagonist of p50/NF-κB-mediated inhibition, *Letter to Nature*, (Franzoso, G, Bours, V, Park, S, Tomita-Yamaguchi, M, Kelly, K, Siebenlist, U) **359,** 339

***bcl-3* proto-oncogene.** Candidate proto-oncogene *bcl-3* encodes a subunit-specific inhibitor of transcription factor NF-κB, *Letter to Nature*, (Wulczyn, F G, Naumann, M, Scheidereit, C) **358,** 597

Bears. Bear conservation genetics, *Scientific correspondence*, (Taberlet, P, Bouvet, J) **358,** 197

Excrement analysis by PCR, *Scientific correspondence*, (Höss, M, Kohn, M, Pääbo, S, Knauer, F, Schröder, W) **359,** 199

More on bear droppings, *Scientific correspondence*, (Lo, Y-MD, Wainscoat, JS) **359,** 784

Beer. Chemical evidence for ancient beer, *Scientific correspondence*, (Michel, R H, McGovern, P E, Badler, V R) **360,** 24

Bees. Killer bees: The Africanized honey bee in the Americas, *Book review by* Seeley, T D. **356,** 626

Evolution of bee dances, *Scientific correspondence*, (Rinderer, T E, Oldroyd, B P, Sylvester, H A, Wongsiri, S, de Guzman, L I) **360,** 305

Beetles. Sociable beetle., *News and views*, **356,** 111

Behavioural biology. Olfactory cues influence female choice in two lek-breeding antelopes, *Letter to Nature*, (Deutsch, J C, Nefdt, R J C) **356,** 596

Social contracts in wasp societies, *Letter to Nature*, (Reeve, H K, Nonacs, P) **359,** 823

Behavioural biology: Hunt for the magnetoreceptor, *News and views*, (Wehner, R) **359,** 105

Behavioural evidence for use of a light-dependent magnetoreception mechanism by a vertebrate, *Letter to Nature*, (Phillips, J B, Borland, S C) **359,** 142

Behavioural ecology. Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667

Sperm competition in birds: evolutionary causes and consequences, *Book review by* Kirkpatrick, M. **357,** 30

Assessments and decisions: A study of information gathering by Hermit crabs, *Book review by* Huntingford, F A. **357,** 205

Parent-offspring conflict, *Scientific correspondence*, (Brown, J L, Emlen, S T, Wrege, P H) **359,** 24

Why do female adders copulate so frequently?, *Letter to Nature*, (Madsen, T, Shine, R, Loman, J, Håkansson, T) **355,** 440

Evolutionary biology: Snakes and female sexuality, *News and views*, (Parker, G A) **355,** 395

Behavioural genetics. Strong selection on a gene that influences reproductive competition in a social insect, *Letter to Nature*, (Ross, K G) **355,** 347

Belgium, research. Outlook improves for Flemish researchers, *News*, (Abbott, A) **358,** 7

Bifurcated Belgium shows the strain from collaboration between cultures, *News*, (Abbott, A) **358,** 445

Belgian science, *Correspondence*, (Berben, G) **360,** 10

Belgium, science. Belgian science: Battlefield in Flanders over funding, *News*, (Aldhous, P) **355,** 579

Bell, Alexander Graham. Canada calling, *Correspondence*, (Bratzel jr, M P) **355,** 292

Belousov-Zhabotinsky reaction. A three-variable model of deterministic chaos in the Belousov-Zhabotinsky reaction, *Letter to Nature*, (Györgyi, L, Field, R J) **355,** 808

Forced vortex interaction and annihilation in an active medium, *Letter to Nature*, (Schütze, J, Steinbock, O, Müller, S C) **356,** 45

Benzene. A cavity-containing mutant of T4 lysozyme is stabilized by buried benzene, *Letter to Nature*, (Eriksson, A E, Baase, W A, Wozniak, J A, Matthews, B W) **355,** 371

Berry's phase. Mirror image, *News and views*, **358,** 455

The geometric phase, *Review article*, (Anandan, J) **360,** 307

Beryllium. Is beryllium in metal-poor stars of galactic or cosmological origin?, *Article*, (Gilmore, G, Gustafsson, B, Edvardsson, B, Nissen, P E) **357,** 379

Increased production of cosmogenic ^{10}Be during the Last Glacial Maximum, *Letter to Nature*, (Lao, Y, Anderson, R F, Broecker, W S, Trumbore, S E, Hofmann, H J, Wolfli, W) **357,** 576

Bianconi, Patricia. Apologies to Bianconi, *Correspondence*, (Roy, R) **359,** 472

Bibliography. Speaking volumes, *Correspondence*, (Mould, S M) **356,** 470

Bicalyx. *Bicalyx* is a natural homeotic floral variant, *Letter to Nature,* (Ford, V S, Gottlieb, L D) **358,** 671

Bifurcation. International journal of bifurcation and chaos, *Journal review,* (Chua, L O, Shlesinger, M) **359,** 453

Big Bang. Big Bang brouhaha, *Opinion,* **356,** 731
Cosmology back to the beginning, *News and views,* (Silk, J) **356,** 741
Big Bang contd..., *Scientific correspondence,* (Arp, H C, Burbidge, G, Hoyle, F, Narlikar, J V) **357,** 287
Big Bang contd.. : reply, *Scientific correspondence,* (Peebles, P J E, Turner, E C, Schramm, D N, Kron, R G) **357,** 288
The search for dark matter (contd), *News and views,* (Maddox, J) **359,** 267
Cosmic undoing, *News and views,* **359,** 275
The natural history of the Universe, *Book review by* Silk, J. **355,** 407
Ancient light: Our changing view of the Universe, *Book review by* Silk, J. **355,** 407

Bilharzia. Schistosomiasis: Parasitizing the cytokine system, *News and views,* (Sher, A) **356,** 565

Billion. Billion Bites the dust, *Opinion,* **358,** 2
Counting the numbers, *Correspondence,* (Lobeck, M A, Howard, P J A, Manitius, L G, Hansell, D P) **358,** 365

Binary pulsars. Astronomy: Puzzling pulsations explained, *News and views,* (Sion, E M) **358,** 545
X-rays from the eclipsing pulsar 1957+20, *Letter to Nature,* (Fruchter, A S, Bookbinder, J, Garcia, M R, Bailyn, C D) **359,** 303

Binary star systems. X-ray detection of Nova Herculis 1991 five days after optical outburst, *Letter to Nature,* (Lloyd, H M, O'Brien, T J, Bode, M F, Predehl, P, Schmitt, J H M M, Trümper, J, Watson, M G, Pounds, K A) **356,** 222
Identification of V1017 Sgr as a cataclysmic variable binary system with unusually long period, *Letter to Nature,* (Sekiguchi, K) **358,** 563
High lithium abundance in the secondary, *Letter to Nature,* (Martin, E L, Rebolo, R, Casares, J, Charles, P A) **358,** 129
Stellar evolution: Stars arriving two by two, *News and views,* (Clarke, C) **357,** 197
Identification of the nebula G70.7+1.2 as a bow shock powered by a pulsar/Be-star binary, *Letter to Nature,* (Kulkarni, S R, Vogel, S N, Wang, Z, Wood, D O S) **360,** 139
The formation of binary and multiple star systems, *Article,* (Chapman, S, Pongracic, H, Disney, M, Nelson, A, Turner, J, Whitworth, A) **359,** 207
Three-dimensional motion in the radio jet of the binary system R Aquarii, *Letter to Nature,* (Lehto, H J, Johnson, D R H) **355,** 705
Detection of a new white-dwarf binary system in the extreme ultraviolet using the Rosat Wide Field Camera, *Letter to Nature,* (Cooke, B A, Barstow, M A, Breeveld, E R, Charles, P A, Goodall, C V, Gourlay, J A, Hassall, B J M, Huckle, H E, Kent, B J, Pye, J P, Richards, A G, Sims, M R, Sumner, T J, Watson, M G, Wells, A, Willingale, R, Wright, J S) **355,** 61

Biochemistry. Oxygen activation and the conservation of energy in cell respiration, *Review article,* (Babcock, G T, Wikström, M) **356,** 301

Biodegradation. Biodegradation of metal citrate complexes and implications for toxic-metal mobility, *Letter to Nature,* (Francis, A J, Dodge, C J, Gillow, J B) **356,** 140

Biodiversity. Diversity and the tropical rainforest, *Book review by* Colinvaux, P. **356,** 625
Biodiversity: Bottoms up for the oceans, *News and views,* (May, R M) **357,** 278
Industry surprised by firm US stance on biodiversity treaty, *News,* (Anderson, C) **357,** 428
The objective case for conservation, *News and views,* (Gee, H) **357,** 639
Biodiversity supported, *Opinion,* **359,** 563
If biological diversity has a price, who sets it and who should benefit?, *News,* (Gershon, D) **359,** 565
Sheep count, *Correspondence,* (Davidson, I) **358,** 705
Patterns of species diversity in the deep sea as a function of sediment particle size diversity, *Letter to Nature,* (Etter, R J, Grassle, J F) **360,** 576
Armchair biodiversity, *Correspondence,* (Rivera-Núñez, D, Obón-de-Castro, C, Pearson, D, Shaw, S) **360,** 291

Bioenergetics. Concentrating mammalian urine, *Scientific correspondence,* (Greenwald, L) **356,** 295

Bioethics. NIH forms policy centre to study research ethics, *News,* (Mervis, J) **356,** 367
From blue-chip to white coat, *News,* (Mervis, J) **356,** 367
Bioethics: Europe drafts a convention, *News,* (Mundell, I) **356,** 368
Japan bioethics: When silence isn't golden, *News,* (Swinbanks, D) **356,** 368

Biofuels. Future fuels, *Correspondence,* (Fyfe, W S) **355,** 10

Biogeochemical cycles. Link between iron and sulphur cycles suggested by detection of Fe(II) in remote marine aerosols, *Letter to Nature,* (Zhuang, G, Yi, Z, Duce, R A, Brown, P R) **355,** 537

Biogeography. Impaled prey, *Scientific correspondence,* (Gillespie, R G) **355,** 212

Biographies. Alan Blumlein, *Correspondence,* **355,** 291

Biological anomalies. Biological anomalies: Humans I. A catalog of biological anomalies, *Book review by* Gonzalez-Crussi, F. **358,** 461

Biological control. Biocontrol science and technology, *Journal review,* (Sunderland, K, Payne, C C) **359,** 450
Biological control, *Journal review,* (Sunderland, K, Charudattan, R, Lewis, W J, Kaya, H K, Rogers, C E) **359,** 450

Biological diversity. Conservation of biodiversity for sustainable development, *Book review by* Myers, N. **358,** 200
Environment: Look expectantly to Rio, *News,* (Aldhous, P) **355,** 9

Biological models. Evolutionary games and spatial chaos, *Letter to Nature,* (Nowak, M A, May, R M) **359,** 826
On prisoners and cells, *News and views,* (Sigmund, K) **359,** 774

Biology. The fragile species, *Book review by* Klein, G. **358,** 115
Newton rules biology: A physical approach to biological problems, *Book review by* McMahon, T A. **358,** 294
Current biology, *Journal review,* (Brenner, S, Newmark, P) **359,** 437
Current opinion in structural biology, *Journal review,* (Blow, D, Hendrickson, W, Klug, A) **359,** 448

Biomagnetism. Biomagnetism, *Book review by* Smith, C W. **356,** 395

Biomarkers. A new class of natural products revealed by 3β-alkyl steranes in petroleum, *Letter to Nature,* (Dahl, J, Moldowan, J M, McCaffrey, M A, Lipton, P A) **355,** 154

Biomass burning. Global biomass burning: Atmospheric, climatic, and biospheric implications, *Book review by* Overpeck, J T. **356,** 670
Seasonal distribution of African savanna fires, *Letter to Nature,* (Cahoon, D R Jr, Stocks, B J, Levine, J S, Cofer, W R III, O'Neill, K P) **359,** 812
Flowering inferno, *News and views,* (Pease, R) **359,** 776

Biomass, energy technology. Biomass and bioenergy, *Journal review,* (Betts, W B, Coombs, J, Hall, D O, Overend, R P, Smith, W H) **359,** 462

Biomedical research, US. Anomalies of tissue research, *Correspondence,* (Hayflick, L) **356,** 652
Fetal tissue, *Correspondence,* (Crutcher, K A, Everson, W) **357,** 432
Needed: Fetal tissue research, *News and views,* (Culliton, B J) **355,** 295

Biomedical research. New York: Restoring shine on the Big Apple, *News,* (Bluestone, M) **356,** 649
Germany links biology centres, *News,* (Abbott, A) **358,** 268
Welcoming Wellcome, *Opinion,* **358,** 440
Healy attacks NASA's claims; bad news for research budgets, *News,* (Mervis, J) **358,** 441
Hughes woos future MDs by offering space at bench, *News,* (Watson, T) **359,** 190

Biomineralization. Crystal assembly and phylogenetic evolution in heterococcoliths, *Letter to Nature,* (Young, J R, Didymus, J M, Bown, P R, Prins, B, Mann, S) **356,** 516
Biomineralization: Bacteria and the Midas touch, *News and views,* (Mann, S) **357,** 358

Biopesticides. Researchers ask for help to save key biopesticide, *News,* (Anderson, C) **355,** 661

Biophysics. Cellular biophysics: Proteins as machines, *News and views,* (Pollard, T D) **355,** 17

Bioreactors. Reduction of nitrate and nitrite in water immobilized enzymes, *Letter to Nature,* (Mellor, R B, Ronnenberg, J, Campbell, W H, Diekmann, S) **355,** 717

Biosensors. Biosensor principles and applications, *Book review by* Malan, G. **358,** 200
Techniques and instrumentation in analytical chemistry 11: Biosensors, *Book review by* Malan, G. **358,** 200
Immunochemical assays and biosensor technology for the 1990s, *Book review by* Malan, G. **358,** 200
Nitric oxide release from a single cell measured *in situ* by a porphyrinic-based microsensor, *Letter to Nature,* (Malinski, T, Taha, Z) **358,** 676
Biosensors: NO release for good measure, *News and views,* (Snyder, S H) **358,** 623

Biosphere 2. Biosphere 2 project told to make room for science, *News,* (Mundell, I) **358,** 444

Biosphere. The life span of the biosphere revisited, *Letter to Nature,* (Caldeira, K, Kasting, J F) **360,** 723

Biospheres, artificial. Artificial environment: Japan builds mini earth, *News,* (Swinbanks, D) **355,** 287

Biotechnology. Genome project: Patents, round two, *News,* (Anderson, C) **355,** 665

Biotechnology patents. Biotech patents: Australia says yes, *News,* (Lawson, M) **356,** 372

Biotechnology, Egypt. Training for Egyptian scientists, *News,* (Ferrell-Stevens, J) **355,** 194

Biotechnology, Europe. Britain wrestles with EC rule on modified organisms, *News,* (Mundell, I) **359,** 569
Biotechnology industry: Biotech lobby pressures EC, *News,* (Aldhous, P) **355,** 289
EC biotechnology policy: Progress on animal patents, *News,* (Aldhous, P) **355,** 382

Biotechnology, India. Biotechnology: Indian centre receives funds, *News,* (Jayaraman, K S) **355,** 192

Biotechnology, Italy. Biotech companies rescue Italian vaccine institute, *News,* (Abbott, A) **357,** 6
Vaccine errors, *Correspondence,* (Gilsdorf, J R, Marrs, C F) **359,** 99

Biotechnology, Japan. TPA ruling shakes up biotech industry, *News,* (Swinbanks, D) **356,** 93

Biotechnology, patents. Protesters picket patent office, *News,* (Abbott, A) **360,** 286

Biotechnology, Poland. Sciences against the odds in Poland, *Commentary,* (Aldhous, P) **355,** 385

Biotechnology, regulations. Rifkin wins battle over NIH growth trials, *News,* (Watson, T) **358,** 529
Bovine growth hormone meets new safety concerns, *News,* (Gershon, D) **358,** 614
Dutch flower may be too safe to test new biotechnology laws, *News,* (Mundell, I) **358,** 614

Biotechnology, Switzerland. Swiss vote for biotechnology, with controls, *News,* (Klaffke, O) **357,** 181

Biotechnology, UK. UK moves closer to free market for research funding, *News,* (Mundell, I) **359,** 470

Biotechnology, US. US biotechnology policy, *Opinion,* **356,** 1
Biotechnology: 'Silber's folly' goes public, *News,* (Anderson, C) **356,** 183
Drug approvals, *Correspondence,* (Miller, H I) **356,** 189
Agricultural biotech: Programme aids developing world, *News,* (Gershon, D) **356,** 735
Biotechnology: Bad timing for BU's stock gamble, *News,* (Anderson, C) **356,** 736
DNA feud, *Opinion,* **357,** 179
Industry surprised by firm US stance on biodiversity treaty, *News,* (Anderson, C) **357,** 428
Genentech's stance on biodiversity riles staff, *News,* (Lehrman, S) **358,** 97
Biotechnology leads the way as state moves beyond ground-based economy, *Commentary,* (Gershon, D) **357,** 626
Houston breeds biotechnology hot shots, *Commentary,* (Gershon, D) **357,** 629
New biotechnology institute at Rice promotes interdisciplinary studies, *Commentary,* (Gershon, D) **357,** 630
A&M's plunge into biotechnology has everything - except staff, *Commentary,* (Anderson, C) **357,** 635
Overregulation could damage US biotechnology, says report, *News,* (Lehrman, S) **359,** 569
Mail-order notification would replace permits for US field tests, *News,* (Lehrman, S) **359,** 663
Frustrated by regulatory delays at FDA, biotech companies warm to user fees, *News,* (Gershon, D) **358,** 616
US proposes relaxing rules on trials of biotech crops, *News,* (Lehrman, S) **360,** 94
Biotechnology soared and fell in a roller-coaster 12 months, *News,* (Gershon, D) **360,** 200
User fees advance in Congress, *News,* (Gershon, D) **359,** 261
Gene wars escalate as US official battles NIH over pursuit of patent, *News,* (Anderson, C) **359,** 467

Biotechnology. The genetic revolution: Scientific prospects and public perceptions, *Book review by* Fincham, J R S. **356,** 203
Biotechnics and society: The rise of industrial genetics, *Book review by* Fincham, J R S. **356,** 203
Wonderwoman and superman: The ethics of human biotechnology, *Book review by* Fincham, J R S. **356,** 203
The biotechnologists, *Book review by* Middleton, A E. **356,** 630
Altered food, *Correspondence,* (Miller, H I, Brigham, J J) **360,** 101
Germany will ease requirements of gene technology laws in bow to researchers, *News,* (Abbott, A) **360,** 286
Biotechnology loses another battle in Germany, *News,* (Abbott, A) **360,** 402
Fertile grounds for the growth of biotechnology, *News,* **360,** 519
No biotechnology bandwagon, *News,* **360,** 528
Roche cuts controversial PCR fees, testing limits, *News,* (Anderson, C) **355,** 379

Bird migration. Rapid microevolution of migratory behaviour in a wild bird species, *Letter to Nature,* (Berthold, P, Helbig, A J, Mohr, G, Querner, U) **360,** 668

Birds. Evolution of ecological differences in the Old World leaf warblers (Correction), *Letter to Nature,* (Richman, A D, Price, T) **357,** 176
Defence costs, *News and views,* **357,** 17
Sperm competition in birds: evolutionary causes and consequences, *Book review by* Kirkpatrick, M. **357,** 30
Female swallow preference for symmetrical male sexual ornaments, *Letter to Nature,* (Møller, A P) **357,** 238
'alala live on in Hawaiian forest, *News and views,* (Culliton, B J) **357,** 277
Importance of habitat saturation and territory quality for evolution of cooperative breeding in the Seychelles warbler, *Letter to Nature,* (Komdeur, J) **358,** 493; *Erratum,* **360,** 768
A new link between theropods and birds from the Cretaceous of Mongolia, *Letter to Nature,* (Elzanowski, A, Wellnhofer, P) **359,** 821
Chemical ecology: Rubbish birds are poisonous, *News and views,* (Diamond, J M) **360,** 19
No evidence for variable duration of sympatry between the great spotted cuckoo and its magpie host, *Letter to Nature,* (Zuñiga, J M, Redondo, T) **359,** 410
Swallowing ornamental asymmetry, *Scientific correspondence,* (Balmford, A, Thomas, A, Borgia, G, Wilkinson, G, Møller, A P) **359,** 488
Cuckoldry through stored sperm in the sequentially polyandrous spotted sandpiper, *Letter to Nature,* (Oring, L W, Fleischer, R C, Reed, J M, Marsden, K E) **359,** 631

Black holes. Li in V404 Cygni, *Scientific correspondence,* (Wallerstein, G) **356,** 569
High lithium abundance in the secondary of the black-hole binary system V404 Cygni, *Letter to Nature,* (Martin, E L, Rebolo, R, Casares, J, Charles, P A) **358,** 129

Active galactic nuclei: Brilliance without black holes, *News and views*, (Robinson, A) **359,** 104
The case against a massive black hole at the Galactic Centre, *Letter to Nature*, (Sanders, R H) **359,** 131
Riding along, *News and views*, **359,** 194
Black hole in M87's bright spot, *News and views*, (Pease, R) **355,** 399
Milky Way: Will the real Galactic Centre please stand up?, *News and views*, (Ho, P T P) **355,** 495
Spatially resolved near-infrared emission and a bubble of hot gas in the central active region of the Galaxy, *Letter to Nature*, (Eckart, A, Genzel, R, Krabbe, A, Hofmann, R, van der Werf, P P, Drapatz, S) **355,** 526
A 6.5-day periodicity in the recurrent nova V404 Cygni implying the presence of a black hole, *Letter to Nature*, (Casares, J, Charles, P A, Naylor, T) **355,** 614
Black holes: Placing faith in the masses?, *News and views*, (Dolan, J F) **355,** 589

Blind spot. Filling in the blind spot, *Scientific correspondence*, (Ramachandran, V S) **356,** 115

Blood clotting. No preservatives, *News and views*, **355,** 774
Enhancing protein C interaction with thrombin results in a clot-activated anticoagulant, *Letter to Nature*, (Richardson, M A, Gerlitz, B, Grinnell, B W) **360,** 261
Blood coagulation and fibrinolysis: An international journal in haemostasis and thrombosis, *Journal review*, (Heptinstall, S, Francis, J L, Gordon, S G) **359,** 447

Blood feeding. First blood, *News and views*, **360,** 213

Blood substitutes. A human recombinant haemoglobin designed for use as a blood substitute, *Letter to Nature*, (Looker, D, Abbott-Brown, D, Cozart, P, Durfee, S, Hoffman, S, Mathews, A J, Miller-Roehrich, J, Shoemaker, S, Trimble, S, Fermi, G, Komiyama, N H, Nagai, K, Stetler, G L) **356,** 258
Blood substitutes and infection, *Scientific correspondence*, (Otto, B R, Verweij-van Vught, A M J J, MacLaren, D M) **358,** 23
Alternative blood substitutes, *Scientific correspondence*, (Lowe, K C, Washington, C) **358,** 717

Blood transfusion, AIDS. French AIDS scandal goes to court, *News*, (Anderson, C) **358,** 6
French blood contamination, *Correspondence*, (Allain, J-P) **360,** 99
UK fund created: HIV compensation, *News*, (Aldhous, P) **355,** 666

Blood, circulation. Vital circuits: On pumps, pipes, and the workings of circulatory systems, *Book review by* Weatherall, D. **358,** 720

Blumlein, Alan. Alan Blumlein, *Correspondence*, **355,** 291

Body size. Sexual dimorphism and distorted sex ratios in spiders, *Letter to Nature*, (Vollrath, F, Parker, G A) **360,** 156

Bo³m, David. Obituary: David Bohm (1917-1992), *News and views*, (Redhead, M L G) **360,** 107

Bond-breaking. Energy transfer and vibrational effects in the dissociation and scattering of D, from Cu(111), *Letter to Nature*, (Hodgson, A, Moryl, J, Traversaro, P, Zhao, H) **356,** 501
Surface chemistry: Making and breaking bonds, *News and views*, (Kleyn, A W) **356,** 477

Bone. Bone and haematopoietic defects in mice lacking *c-fos*, *Letter to Nature*, (Wang, Z-Q, Ovitt, C, Grigoriadis, A E, Möhle-Steinlein, U, Rüther, U, Wagner, E F) **360,** 741
Formation of haematopoietic microenvironment and haematopoietic stem cells from single human bone marrow stem cells, *Letter to Nature*, (Huang, S, Terstappen, L W M M) **360,** 745

Boron fibres. Growing stronger, *News and views*, **359,** 779

Bosnia. Foothold in Bosnia, *Opinion*, **358,** 525

Bosons. The search for dark matter (contd), *News and views*, (Maddox, J) **359,** 267

Botany. Diversity and evolution of land plants, *Book review by* Moore, P D. **359,** 205
Seed science research, *Journal review*, (Probert, R, Black, M) **359,** 450
Botany: Horrible plant species, *News and views*, (Diamond, J M) **360,** 627

Botswana, conservation. Botswana needs science help to save plant and animal species, *News*, (Mundell, I) **357,** 184

Bound states, electronic. Observation of an electronic bound state above a potential well, *Letter to Nature*, (Capasso, F, Sirtori, C, Faist, J, Sivco, D L, Chu, S-N G, Cho, A Y) **358,** 565
Quantum mechanics: Trapped in mid-air, *News and views*, (Washburn, S) **358,** 537

Bovine mastitis. Watch that dog!, *Correspondence*, (Jukes, T H) **360,** 292

Brachyury gene. Ectopic mesoderm formation in *Xenopus* embryos caused by widespread expression of a *Brachyury* homologue, *Letter to Nature*, (Cunliffe, V, Smith, J C) **358,** 427

Brain drain. UK centres target brain drain, *News*, (Mundell, I) **358,** 182

Brain research. Confusion about form and function clouds launch of EC's Decade of the Brain, *News*, (Abbott, A) **359,** 260
Crossing the border, crossing the ocean, *News*, (Abbott, A) **359,** 260
Molecular neurology comes of age, *News and views*, (Short, N) **360,** 295
Neurobiology: Elements of visual perception, *News and views*, (Stryker, M P) **360,** 301

Brain size. How to publish the unpalatable?, *News and views*, (Diamond, JM) **360,** 187
Differences in brain size, *Correspondence*, (Becker, B A) **358,** 532
Sizing-up the brain, *Correspondence*, (Brand, C R, Van Valen, L M, Jones, D) **359,** 768
Differences in brain size, *Correspondence*, (Knight, B, Ankney, C D, Rushton, J P) **358,** 531
Brain size differences, *Correspondence*, (Schluter, D, Lynn, R, Tsai, F C S, Blest, A D) **359,** 182
The brain size/IQ debate, *Correspondence*, (Rushton, J P, Ankney, C D) **360,** 292

Brain. The lopsided ape: Evolution of the generative mind, *Book review by* Morgan, M. **356,** 754
Zebrafish *pax[b]* is involved in the formation of the midbrain-hindbrain boundary, *Letter to Nature*, (Krauss, S, Maden, M, Holder, N, Wilson, S W) **360,** 87
Introns in sequence tags, *Scientific correspondence*, (Adams, M D, Fields, C, Venter, J C) **357,** 367
Introns in sequence tags, *Scientific correspondence*, (Bürglin, T R, Barnes, T M) **357,** 367
A single amino-acid difference confers major pharmacological variation between human and rodent 5-HT_{1B} receptors, *Letter to Nature*, (Oksenberg, D, Marsters, S A, O'Dowd, B F, Jin, H, Havlik, S, Peroutka, S J, Ashkenazi, A) **360,** 161
Neural networks: Stitch in time saves design, *News and views*, (Judge, S J) **360,** 104
Neurotransmission: A retrograde step forward, *News and views*, (Nicholls, D G) **360,** 106
Functional localization and lateralization of human olfactory cortex, *Letter to Nature*, (Zatorre, R J, Jones-Gotman, M, Evans, A C, Meyer, E) **360,** 339
Columns for visual features of objects in monkey inferotemporal cortex, *Letter to Nature*, (Fujita, I, Tanaka, K, Ito, M, Cheng, K) **360,** 343
Retinoic acid alters hindbrain *Hox* code and induces transformation of rhombomeres 2/3 into a 4/5 identity, *Letter to Nature*, (Marshall, H, Nonchev, S, Sham, M H, Muchamore, I, Lumsden, A, Krumlauf, R) **360,** 737
Brain-derived neurotrophic factor rescues spinal motor neurons from axotomy-induced cell death, *Letter to Nature*, (Yan, Q, Elliott, J, Snider, W D) **360,** 753
Brain-derived neurotrophic factor rescues developing avian motoneurons from cell death, *Letter to Nature*, (Oppenheim, R W, Yin, Q-W, Prevette, D, Yan, Q) **360,** 755
Brain-derived neurotrophic factor prevents the death of motoneurons in newborn rats after nerve section, *Letter to Nature*, (Sendtner, M, Holtmann, B, Kolbeck, R, Thoenen, H, Barde, Y-A) **360,** 757
Sequence identification of 2,375 human brain genes, *Letter to Nature*, **355,** 632

Brazil. Brazilian universities: Soviet immigrants trigger debate, *News*, (Bonalume, R) **355,** 758
Brazil: Firing up for Earth summit, *News*, (Bonalume, R) **356,** 278
Brazil: Cabinet reshuffled again, *News*, (Bonalume, R) **356,** 467
Society asks Brazil's president to resign, *News*, (Bonalume, R) **358,** 357
Forthcoming space launch rekindles debate in Brazil, *News*, (Bonalume, R) **360,** 290

Breast feeding. Infant food, *Correspondence*, (Adebajo, A O, Adebajo, A F) **355,** 10

Brefeldin A. Action of brefeldin A blocked by activation of a pertussis-toxin-sensitive G protein, *Letter to Nature*, (Ktistakis, N T, Linder, M E, Roth, M G) **356,** 344
Brefeldin A inhibits Golgi membrane-catalysed exchange of guanine nucleotide onto ARF protein, *Letter to Nature*, (Donaldson, J G, Finazzi, D, Klausner, R D) **360,** 350
Inhibition by brefeldin A of a Golgi membrane enzyme that catalyses exchange, *Letter to Nature*, (Helms, J B, Rothman, J E) **360,** 352

Brenner, Sydney. Faisal prize: Two honoured, *News*, (Aldhous, P) **355,** 755

British Broadcasting Corporation. Broadcasting science, *Opinion*, **358,** 264

British Technology Group. British Technology Group: Will US rival strip BTG bare?, *News*, (Aldhous, P) **355,** 485

British Telecom. Infinity denied, *Opinion*, **358,** 440

Broadcasting, UK. Broadcasting science, *Opinion*, **358,** 264

Broccoli. Eat your broccoli (and brussels sprouts), *News and views*, (Culliton, B J) **356,** 377
Healthy broccoli?, *Scientific correspondence*, (Paolini, M, Legator, M S) **357,** 448

Bromine, atmospheric. Photochemical bromine production implicated in Arctic boundary-layer ozone, *Letter to Nature*, (McConnell, J C, Henderson, G S, Barrie, L, Bottenheim, J, Niki, H, Langford, C H, Templeton, E M J) **355,** 150

Bromine, ozone depletion. Surface ozone depletion in Arctic spring sustained by bromine reactions on aerosols, *Letter to Nature*, (Fan, S-M, Jacob, D J) **359,** 522

Brownian motion. Brownian motion, *Correspondence*, (Deutsch, D H) **357,** 354
Brown's observations confirmed, *Correspondence*, (Ford, B J) **359,** 265

Brundtland, Gro Harlem. Mrs Brundtland's wish, *Opinion*, **357,** 426

Bubbles. Toroidal bubbles, *Scientific correspondence*, (Semper, R J) **356,** 390

Buckminster Fuller. Cosmography: A posthumous scenario for the future of humanity, *Book review by* Stewart, I. **356,** 633

Buckminsterfullerene. Beam me up, *News and views*, **356,** 563

Bulgaria, research funding. Japanese collaboration: The rising price of helping Bulgarian science, *News*, (Swinbanks, D) **356,** 4

Bullets, wounds. Shooting match, *News and views*, **355,** 209

Burgess Shales. Palaeontology: Something completely different, *News and views*, (Gee, H) **358,** 456

Burris, John. Burris appointed to head Woods Hole marine laboratory, *News*, (Watson, T) **358,** 269

Burt, Cyril. Scientific misconduct: Psychologists rethink Burt, *News*, (Aldhous, P) **356,** 5
Rethinking Burt, *Correspondence*, (Goodhart, C B) **356,** 652
Burt files reopened, *Correspondence*, (Goodhart, C B) **355,** 103

Caenorhabditis elegans. DNA sequencing: The worm turns and delivers, *News and views*, (Little, P) **356,** 14
Caenorhabditis elegans gene *ced-9* protects cells from programmed cell death, *Article*, (Hengartner, M O, Ellis, R E, Horvitz, H R) **356,** 494
The *C. elegans* genome sequencing project: a beginning, *Article*, (Sulston, J, Du, Z, Thomas, K, Hillier, L, Staden, R, Halloran, N, Green, P, Thierry-Mieg, J, Qiu, L, Dear, S, Coulson, A, Craxton, M, Durbin, R, Berks, M, Metzstein, M, Hawkins, T, Ainscough, R, Waterston, R, Wilson, R) **356,** 37
The gene *lin-3* encodes an inductive signal for vulval development in *C. elegans*, *Article*, (Hill, R J, Sternberg, P W) **358,** 470
Developmental biology: Inducing concentric worm holes, *News and views*, (Herman, R K) **358,** 450
Activation of *C. elegans* Antennapedia homologue in migrating cells controls their direction of migration, *Letter to Nature*, (Salser, S J, Kenyon, C) **355,** 255

Calcineurin. FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature*, (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692
Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, *Letter to Nature*, (Clipstone, N A, Crabtree, G R) **357,** 695
High brain densities of the immunophilin FKBP colocalized with calcineurin, *Letter to Nature*, (Steiner, J P, Dawson, T M, Fotuhi, M, Glatt, C E, Snowman, A M, Cohen, N, Snyder, S H) **358,** 584
Calcineurin mediates inhibition by FK506 and cyclosporin of recovery from α-factor arrest in yeast, *Letter to Nature*, (Foor, F, Parent, S A, Morin, N, Dahl, A M, Ramadan, N, Chrebet, G, Bostian, K A, Nielsen, J B) **360,** 682

Calcium channels. P-type calcium channels blocked by the spider toxin omega-Aga-IVA, *Letter to Nature*, (Mintz, I M, Venema, V J, Swiderek, K M, Lee, T D, Bean, B P, Adams, M E) **355,** 827
Quantal calcium release by purified reconstituted inositol 1,4,5-trisphosphate receptors, *Letter to Nature*, (Ferris, C D, Cameron, A M, Huganir, R L, Snyder, S H) **356,** 350
Different ß-subunits determine G-protein interaction with transmembrane receptors, *Letter to Nature*, (Kleuss, C, Scherübl, H, Hescheler, J, Schultz, G, Wittig, B) **358,** 424
G proteins: The subunit story thickens, *News and views*, (Lefkowitz, R J) **358,** 372
Voltage-dependent phosphorylation may recruit Ca^{2+} current facilitation in chromaffin cells, *Letter to Nature*, (Artalejo, C R, Rossie, S, Perlman, R L, Fox, A P) **358,** 63
Inactivation of the sarcoplasmic reticulum calcium channel by protein kinase, *Letter to Nature*, (Wang, J, Best, P M) **359,** 739
Calcium-dependent immediate feedback control of inositol 1,4,5-trisphosphate-induced Ca^{2+} release, *Letter to Nature*, (Iino, M, Endo, M) **360,** 76
Function of a truncated dihydropyridine receptor as both voltage sensor and calcium channel, *Letter to Nature*, (Beam, K G, Adams, B A, Niidome, T, Numa, S, Tanabe, T) **360,** 169
Inositol 1, 3, 5-tetrakisphosphate activates an endothelial CaS_2-permeable channel, *Letter to Nature*, (Lückhoff, A, Clapham, D E) **355,** 356
Cell physiology: Controls on calcium influx, *News and views*, (Neher, E) **355,** 298

Calcium regulation. Exo1 and Exo2 proteins stimulate calcium-dependent exocytosis in permeabilized adrenal chromaffin cells, *Letter to Nature*, (Morgan, A, Burgoyne, R D) **355,** 833
Calcium-dependent enhancement of calcium current in smooth muscle by calmodulin-dependent protein kinase II, *Letter to Nature*, (McCarron, J G, McGeown, J G, Reardon, S, Ikebe, M, Fay, F S, Walsh, J V) **357,** 74
Ca^{2+} release induced by inositol 1,4,5-trisphosphate is a steady-state phenomenon controlled by luminal Ca^{2+} in permeabilized cells, *Letter to Nature*, (Missiaen, L, De Smedt, H, Droogmans, G, Casteels, R) **357,** 599
Rapid changes of mitochondrial Ca^{2+} revealed by specifically targeted recombinant aequorin, *Letter to Nature*, (Rizzuto, R, Simpson, A W M, Brini, M, Pozzan, T) **360,** 768
Patterns of elevated free calcium and calmodulin activation in living cells, *Letter to Nature*, (Hahn, K, DeBiasio, R, Lansing Taylor, D) **359,** 736
Cell-to-cell spread of calcium signals mediated by ATP receptors in mast cells, *Letter to Nature*, (Osipchuk, Y, Cahalan, M) **359,** 241

Calcium, intracellular. Depletion of intracellular calcium stores activates a calcium current in mast cells, *Letter to Nature*, (Hoth, M, Penner, R) **355,** 353
Inositol 1, 3, 5-tetrakisphosphate activates an endothelial CaS_2-permeable channel, *Letter to Nature*, (Lückhoff, A, Clapham, D E) **355,** 356
Calcium, role in phototransduction. Cytosolic free calcium mediates red light-induced photomorphogenesis, *Letter to Nature*, (Shacklock, P S, Read, N D, Trewavas, A J) **358,** 753
California Institute of Technology. Millikan's school: A history of the California Institute of Technology, *Book review by* Regis, E. **356,** 629
Calmodulin, and calcium. Patterns of elevated free calcium and calmodulin activation in living cells, *Letter to Nature*, (Hahn, K, DeBiasio, R, Lansing Taylor, D) **359,** 736
Calmodulin. Ganglíomodulin?, *News and views*, **357,** 641
Canada. Patent protection: Canadian drug firms boost R&D spending, *News*, (Spurgeon, D) **355,** 666
Canada: Cuts threaten Science Council, *News*, (Spurgeon, D) **356,** 9
Canada's medical council wants larger role, *News*, (Spurgeon, D) **357,** 271
Canada commits money for human genome research, *News*, (Spurgeon, D) **357,** 428
Canadian research council found guilty of job bias, *News*, (Spurgeon, D) **359,** 95
Merck promises large grant to university if Canada extends patent protection, *News*, (Spurgeon, D) **359,** 351
Canada apologizes to physicist, *News*, (Spurgeon, D) **359,** 353
Cancer. Clonal expansion of p53 mutant cells is associated with brain tumour progression, *Letter to Nature*, (Sidransky, D, Mikkelsen, T, Schwechheimer, K, Rosenblum, M L, Cavanee, W, Vogelstein, B) **355,** 846
HLA antigens and cervical carcinoma, *Scientific correspondence*, (Wank, R, Schendel, D J, Thomssen, C, Helland, Å, Borresen, A L, Kaern, J, Ronningen, K S, Thorsby, E) **356,** 23
Checkpoint policing by p53, *Scientific correspondence*, (Carr, A M, Green, M H L, Lehmann, A R) **359,** 486
Thyroid cancer after Chernobyl, *Scientific correspondence*, (Kazakov, V S, Demidchik, E P, Astakhova, L N, Braverstock, K, Egloff, B, Pinchera, A, Ruchti, C, Williams, D) **359,** 21
Gene therapy researcher under fire over controversial cancer trials, *News*, (Anderson, C) **360,** 399
Frustration brought panel to showdown, *News*, (Anderson, C) **360,** 399
Drug policy: FDA panel backs interleukin-2, *News*, (Culliton, B J) **355,** 287
Diet and breast cancer, *Opinion*, **359,** 760
Immunogenetics: Viruses, cancer and the MHC, *News and views*, (Klitz, W) **356,** 17
HLA antigens and cervical carcinoma, *Scientific correspondence*, (Glew, S S, Stern, P L, Davidson, J A, Dyer, P A) **356,** 22
Cancer selection: The new theory of evolution, *Book review by* Galloway, J W. **356,** 206
Eat your broccoli (and brussels sprouts), *News and views*, (Culliton, B J) **356,** 377
Air pollution and cancer risk, *Correspondence*, (Wolff, S P) **356,** 471
Coley's toxins in perspective, *Commentary*, (Starnes, C O) **357,** 11
Healthy broccoli?, *Scientific correspondence*, (Paolini, M, Legator, M S) **357,** 448
Tumours and Coley's toxins, *Scientific correspondence*, (Rook, G) **357,** 545
Delaney's revenge: Court rejects US approach to assessing cancer risks in processed foods, *News*, (Anderson, C) **358,** 181
Cancer: p53, guardian of the genome, *News and views*, (Lane, D P) **358,** 15
Childhood thyroid cancer in Belarus, *Scientific correspondence*, (Beral, V, Reeves, G, Shigematsu, I, Thiessen, J W) **359,** 680
NIH and Army meet on breast cancer windfall, *News*, (Watson, T) **359,** 764
Coley's vaccine and TNF therapy, *Scientific correspondence*, (Brouckaert, P G G, Fiers, W, Lejeune, F J) **358,** 630
Air pollutants and lung cancer, *Correspondence*, (Goldsmith, J R) **358,** 706
Thyroid cancer incidence, *Scientific correspondence*, (Ron, E, Lubin, J, Schneider, A B) **360,** 113
Epidemiology: Molecular potential, *News and views*, (Garner, C) **360,** 207
The transformed cell: Unlocking the mysteries of cancer, *Book review by* Vile, R G. **360,** 219
Cancer genetics: Imprinting in leukaemia, *News and views*, (Reik, W) **359,** 362
Parental origin of chromosomes involved in the translocation t(9;22), *Letter to Nature*, (Haas, O A, Argyriou-Tirita, A, Lion, T) **359,** 414
Melanoma research, *Journal review*, (Cheresh, D A, Lejeune, F, Prota, G, Riley, P) **359,** 442
European journal of cancer prevention, *Journal review*, (Kinlen, L J, Hill, M J, Giacosa, A) **359,** 443
Ludwig estate to support research, *News*, (Watson, T) **351,** 470
Congress supports breast cancer research by taking $210 million from military, *News*, (Watson, T) **359,** 471
Checkpoint policing by p53, *Scientific correspondence*, (Lane, D P) **359,** 486
Cancer: Carcinogens leave fingerprints, *News and views*, (Vogelstein, B, Kinzler, K W) **355,** 209
Canine lymphoma. The three-dimensional structure of an intact monoclonal antibody for canine lymphoma, *Letter to Nature*, (Harris, L J, Larson, S B, Hasel, K W, Day, J, Greenwood, A, McPherson, A) **360,** 369
Capillary electrophoresis. Capillary electrophoresis: the promise and the practice, *Product review*, (Krull, I S, Mazzeo, J R) **357,** 92
Carbohydrate-recognition domains. Engineering galactose-binding activity into a C-type mannose-binding protein, *Letter to Nature*, (Drickamer, K) **360,** 183
Carbohydrates. Glycobiology, *Journal review*, (Rees, D A, Hart, G W) **359,** 444
Carbon allotropes. Curling and closure of graphitic networks under electron-beam irradiation, *Letter to Nature*, (Ugarte, D) **359,** 707
Carbon onions introduce new flavour to fullerene studies, *News and views*, (Kroto, H W) **359,** 670
Carbon chemistry. Condensed state: First light on fluid carbon, *News and views*, (Bloembergen, N) **356,** 110
Squeezing diamond from fullerenes, *News and views*, (Ball, P) **355,** 205
Six of one, *News and views*, **355,** 302
Energetics of negatively curved graphitic carbon, *Letter to Nature*, (Lenosky, T, Gonze, X, Teter, M, Elser, V) **355,** 333
Observation of hypervalent CLi_5 by Knudsen-effusion mass spectrometry, *Letter to Nature*, (Kudo, H) **355,** 432
Carbon cycle. Interhemispheric transport of carbon dioxide by ocean circulation, *Letter to Nature*, (Broecker, W S, Peng, T-H) **356,** 587
Revised budget for the oceanic uptake of anthropogenic carbon dioxide, *Letter to Nature*, (Sarmiento, J L, Sundquist, E T) **356,** 589
Comparison of two methods for measuring dissolved organic carbon in sea water, *Letter to Nature*, (Ogawa, H, Ogura, N) **356,** 696
Dissolved organic carbon in the Atlantic, Southern and Pacific oceans, *Letter to Nature*, (Martin, J H, Fitzwater, S E) **356,** 699
Carbon dioxide: Conveying that sinking feeling, *News and views*, (Watson, A) **356,** 561
Balancing the carbon budget, *News and views*, (Watson, A) **356,** 561
Carbon cycle: Catalytic conversions, *News and views*, (Toggweiler, J R) **356,** 665
Sequestration of CO_2 in the deep ocean by shallow injection, *Letter to Nature*, (Haugan, P M, Drange, H) **357,** 318
Possible methane-induced polar warming in the early Eocene, *Letter to Nature*, (Sloan, L C, Walker, J C G, Moore Jr, T C, Rea, D K, Zachos, J C) **357,** 320
Productivity and compensatory responses of yellow-poplar trees in elevated CO_2, *Letter to Nature*, (Norby, R J, Gunderson, C A, Wullschleger, S D, O'Neill, E G, McCracken, M K) **357,** 322
Carbon dioxide disposal: The deep-six fix again, *News and views*, (Orr, J C) **357,** 283
Glacial-to-interglacial variations in the carbon isotopic composition of atmospheric CO_2, *Article*, (Marino, B D, McElroy, M B, Salawitch, R J, Spaulding, W G) **357,** 461
Carbon isotope composition of atmospheric CO, during the last ice age from an Antarctic ice core, *Letter to Nature*, (Leuenberger, M, Siegenthaler, U, Langway, C C) **357,** 488
Enhanced Cenozoic chemical weathering and the subduction of pelagic carbonate, *Letter to Nature*, (Caldeira, K) **357,** 578
Carbon isotopes and carbon cycling, *News and views*, (Keir, R) **357,** 446
Carbon stores in vegetation, *Scientific correspondence*, (Kern, R A, Schlesinger, W H) **357,** 447
^{14}C activity of dissolved organic carbon fractions in the north-central Pacific and Sargasso Sea, *Letter to Nature*, (Bauer, J E, Williams, P M, Druffel, E R M) **357,** 667
Palaeo-CO_2 and climate, *Scientific correspondence*, (Berner, R A) **358,** 114
Seasonal and interannual variations in atmospheric oxygen and implications for the global carbon cycle, *Article*, (Keeling, R F, Shertz, S R) **358,** 723
Thermal skin effect of the surface ocean and its implications for CO_2 uptake, *Letter to Nature*, (Robertson, J E, Watson, A J) **358,** 738
Phytoplankton productivity in the North Pacific ocean since 1900 and implications for absorption of anthropogenic CO_2, *Letter to Nature*, (Falkowski, P G, Wilson, C) **358,** 741
Flowering inferno, *News and views*, (Pease, R) **359,** 776
Global change: diminishing oxygen, *News and views*, (Broecker, W S, Severinghaus, J P) **358,** 710
CO_2 emissions, *Correspondence*, (Oliver, R T D) **359,** 9
Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution, *Letter to Nature*, (Smith, D C, Simon, M, Alldredge, A L, Azam, F) **359,** 139
Palaeoclimatology: Avoiding a permanent ice age, *News and views*, (Kuhn, W R) **359,** 196
Seawater carbon measurement, *Scientific correspondence*, (Hedges, J I, Bergamaschi, B A, Ogawa, H, Ogura, N) **359,** 202
Short residence time of colloids in the upper ocean estimated from ^{238}U-^{234}Th disequilibria, *Letter to Nature*, (Moran, S B, Buesseler, K O) **359,** 221
Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, *Letter to Nature*, (Caldeira, K, Kasting, J F) **359,** 226
Reconciling particulate organic carbon flux and sediment community oxygen consumption in the deep North Pacific, *Letter to Nature*, (Smith, K L Jr, Baldwin, R J, Williams, P M) **359,** 313
Ice Ages: An uplifting experience, *News and views*, (Rind, D) **360,** 414
The life span of the biosphere revisited, *Letter to Nature*, (Caldeira, K, Kasting, J F) **360,** 723
Palaeoclimate: Paradox lost and paradox found, *News and views*, (Kasting, J F) **355,** 676
Carbon dioxide, atmospheric. Environment: Pinning the blame on carbon dioxide, *News*, (Aldhous, P) **355,** 9
Ancient atmospheric CO_2 pressures inferred from natural goethites, *Letter to Nature*, (Yapp, C J, Poths, H) **355,** 342
Carbon dioxide, Lake Nyos. Degassing Lake Nyos, *Scientific correspondence*, (Fletcher, H) **355,** 683
Carbon dioxide, volcanic emissions. Mount Etna CO_2 may affect climate, *Scientific correspondence*, (Caldeira, K, Rampino, M R) **355,** 401
Carbon fibres. Pedigree whiskers, *News and views*, **356,** 111
Carbon isotope analysis. Glacial-to-interglacial variations in the carbon isotopic composition of atmospheric CO_2, *Article*, (Marino, B D, McElroy, M B, Salawitch, R J, Spaulding, W G) **357,** 461
Carbon isotope composition of atmospheric CO, during the last ice age from an Antarctic ice core, *Letter to Nature*, (Leuenberger, M, Siegenthaler, U, Langway, C C) **357,** 488
Climate change: Packing away carbon isotopes, *News and views*, (Keir, R) **357,** 445
Carbon isotopes and carbon cycling, *News and views*, (Keir, R) **357,** 446
Correlation between isotope records in marine and continental carbon reservoirs near the Palaeocene/Eocene boundary, *Letter to Nature*, (Koch, P L, Zachos, J C, Gingerich, P D) **358,** 319
Atmospheric evolution: Life and the rock cycle, *News and views*, (Veizer, J) **359,** 587
Carbon isotope evidence for the stepwise oxidation of the Proterozoic environment, *Article*, (Des Marais, D J, Strauss, H, Summons, R E, Hayes, J M) **359,** 605
Carbon monoxide emissions. Cleaner gasoline, *Opinion*, **360,** 196
Carbon monoxide, astrophysics. Molecular gas content of the primaeval galaxy IRAS 10214+4724, *Letter to Nature*, (Solomon, P M, Radford, S J E, Downes, D) **356,** 318
Carbon nanotubes. Large-scale synthesis of carbon nanotubes, *Letter to Nature*, (Ebbesen, T W, Ajayan, P M) **358,** 220
Fullerenes: Down the straight and narrow, *News and views*, (Dresselhaus, M S) **358,** 195
Smallest carbon nanotube, *Scientific correspondence*, (Ajayan, P M, Iijima, S) **358,** 23
Early nanotubes?, *Scientific correspondence*, (Gibson, J A E) **359,** 369
Carbon tax, Europe. Muddled carbon tax, *Opinion*, **357,** 178
Carbon. Electrical conductivity of carbon-bearing granulite at raised temperatures and pressures, *Letter to Nature*, (Glover, P W J, Vine, F J) **360,** 725
Carcinogenesis. Mice deficient for p53 are developmentally normal but susceptible to spontaneous tumours, *Article*, (Donehower, L A, Harvey, M, Slagle, B L, McArthur, M J, Montgomery, C A, Butel, J S, Bradley, A) **356,** 215
Cloning and characterization of a gene that regulates cell adhesion, *Letter to Nature*, (Pullman, W E, Bodmer, W F) **356,** 529
Halogen lamp carcinogenicity, *Scientific correspondence*, (De Flora, S, D'Agostini, F) **356,** 569
Origins of human cancer: A comprehensive review, *Book review by* Cairns, J. **357,** 452
Alpha-particles and leukaemia, *Scientific correspondence*, (Mole, R H, Baverstock, K F, Sankaranarayanan, K) **357,** 369
Alpha-particles and leukaemia - Reply, *Scientific correspondence*, (Wright, E) **357,** 369
Molecular and genetic damage in humans from environmental pollution in Poland, *Letter to Nature*, (Perera, F P, Hemminki, K, Gryzbowska, E, Motykiewicz, G, Michalska, J, Santella, R M, Young, T-L, Dickey, C, Brandt-Rauf, P, DeVivo, I, Blaner, W, Tsai, W-Y, Chorazy, M) **360,** 256
APC mutations occur early during colorectal tumorigenesis, *Letter to Nature*, (Powell, S M, Zilz, N, Beazer-Barclay, Y, Bryan, T M, Hamilton, S R, Thibodeau, S N, Vogelstein, B, Kinzler, K W) **359,** 235
Cancer genetics: Imprinting in leukaemia, *News and views*, (Reik, W) **359,** 362
Parental origin of chromosomes involved in the translocation t(9;22), *Letter to Nature*, (Haas, O A, Argyriou-Tirita, A, Lion, T) **359,** 414
Elongation factor-1α gene determines susceptibility to transformation, *Letter to Nature*, (Tatsuka, M, Mitsui, H, Wada, M, Nagata, A, Nojima, H, Okayama, H) **359,** 333
Cell transformation and activation of $pp60^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase, *Letter to Nature*, (Zheng, X M, Wang, Y, Pallen, C J) **359,** 336
Apoptotic cell death induced by *c-myc* is inhibited by *bcl-2*,

Letter to Nature, (Bissonnette, R P, Echeverri, F, Mahboubi, A, Green, D R) **359,** 552
Cooperative interaction between *c-myc* and *bcl-2* proto-oncogenes, *Letter to Nature*, (Fanidi, A, Harrington, E A, Evan, G I) **359,** 554
Cancer: Carcinogens leave fingerprints, *News and views*, (Vogelstein, B, Kinzler, K W) **355,** 209
Cardiac muscle. Stationary and drifting spiral waves of excitation in isolated cardiac muscle, *Letter to Nature*, (Davidenko, J M, Pertsov, A V, Salomonsz, R, Baxter, W, Jalife, J) **355,** 349
Cardiovascular disorders. Antisense *c-myb* oligonucleotides inhibit intimal arterial smooth muscle cell accumulation *in vivo*, *Letter to Nature*, (Simons, M, Edelman, E R, DeKeyser, J-L, Langer, R, Rosenberg, R D) **359,** 67
Cataclysmic variables. Identification of V1017 Sgr as a cataclysmic variable binary system with unusually long period, *Letter to Nature*, (Sekiguchi, K) **358,** 563
Catalase-peroxidase gene. The catalase-peroxidase gene and isoniazid resistance of *Mycobacterium tuberculosis*, *Letter to Nature*, (Zhang, Y, Heym, B, Allen, B, Young, D, Cole, S) **358,** 591
Catalysis. Perspectives in catalysis, *Book review by* Burch, R. **356,** 671
Spectroscopic observation of a catalyst surface in a reactive atmosphere at high pressure, *Letter to Nature*, (Moggridge, G D, Rayment, T, Ormerod, R M, Morris, M A, Lambert, R M) **358,** 658
Breslow replies to criticism, *Scientific correspondence*, (Breslow, R) **360,** 23
Direct measurement of potassium-promoted change in heat of adsorption energy of CO on Ni[100], *Letter to Nature*, (Al-Sarraf, N, Stuckless, J T, King, D A) **360,** 243
Surface science: A little heat goes a long way, *News and views*, (Yates, J T Jr) **360,** 211
Surface catalysis studied *by situ* positron emission, *Letter to Nature*, (Jonkers, G, Vonkeman, K A, van der Wal, S W A, van Santen, R A) **355,** 63
Catalytic RNA. RNA substrate binding site in the catalytic core of the *Tetrahymena* ribozyme, *Article*, (Pyle, A M, Murphy, F L, Cech, T R) **358,** 123
Cattle disease. Training for Egyptian scientists, *News*, (Ferrell-Stevens, J) **355,** 194
Cattle. Patch production by cattle, *Scientific correspondence*, (Homewood, K) **359,** 109
Cave paintings. Cave of the ostrich, *Correspondence*, (Woodhouse, H C) **360,** 99
CD1 molecules. CD1b restricts the response of human CD4+ T lymphocytes to a microbial antigen, *Letter to Nature*, (Porcelli, S, Morita, C T, Brenner, M B) **360,** 593
CD2 molecule. Crystal structure at 2.8 Å resolution of a soluble form of the cell adhesion molecule CD2, *Article*, (Jones, E Y, Davis, S J, Williams, A F, Harlos, K, Stuart, D I) **360,** 232
CD28. CD28-mediated signalling co-stimulates murine T cells and prevents induction of anergy in T-cell clones, *Letter to Nature*, (Harding, F A, McArthur, J G, Gross, J A, Raulet, D H, Allison, J P) **356,** 607
CD4 molecule. MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8, *Letter to Nature*, (König, R, Huang, L-Y, Germain, R N) **356,** 796
Identification of a CD4 binding site on the B, domain of HLA-DR molecules, *Letter to Nature*, (Cammarota, G, Scheirle, A, Takacs, B, Doran, D M, Knorr, R, Bannwarth, W, Guardiola, J, Sinigaglia, F) **356,** 799
Profound block in thymocyte development in mice lacking p56^{lck}, *Letter to Nature*, (Molina, T J, Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) **357,** 161
CD8 and CD4: The box and the rod, *News and views*, (Parham, P) **357,** 538
Association of tyrosine kinase p56^{lck} with CD4 inhibits the induction of growth through the αß T-cell receptor, *Letter to Nature*, (Haughn, L, Gratton, S, Caron, L, Sékaly, R-P, Veillette, A, Julius, M) **358,** 328
Antibody and HIV-1 gp120 recognition of CD4 undermines the concept of mimicry between antibodies and receptors, *Letter to Nature*, (Davis, S J, Schockmel, G A, Somoza, C, Buck, D W, Healey, D G, Rieber, E P, Reiter, C, Williams, A F) **358,** 76
CD40 molecule. Molecular and biological characterization of a murine ligand for CD40, *Letter to Nature*, (Armitage, R J, Fanslow, W C, Strockbine, L, Sato, T A, Clifford, K N, Macduff, B M, Anderson, D M, Gimpel, S D, Davis-Smith, T, Maliszewski, C R, Clark, E A, Smith, C A, Grabstein, K H, Cosman, D, Spriggs, M K) **357,** 80
Emerging cytokine family, *Scientific correspondence*, (Farrah, T, Smith, C A) **358,** 26
CD45 isoforms. Lifespan of human lymphocyte subsets defined by CD45 isoforms, *Letter to Nature*, (Michie, C A, McLean, A, Alcock, C, Beverley, P C L) **360,** 264
CD8 molecule. Chagas' disease: Defence cuts begin to bite, *News and views*, (Parham, P) **356,** 291
Susceptibility of ß2-microglobulin-deficient mice to *Trypanosoma cruzi* infection, *Letter to Nature*, (Tarleton, R L, Koller, B H, Latour, A, Postan, M) **356,** 338
MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8, *Letter to Nature*, (König, R, Huang, L-Y, Germain, R N) **356,** 796
Profound block in thymocyte development in mice lacking p56^{lck}, *Letter to Nature*, (Molina, T J, Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) **357,** 161
An immunological role for the CD8 ß-chain, *Letter to Nature*, (Wheeler, C J, von Hoegen, P, Parnes, J R) **357,** 247
CD8 and CD4: The box and the rod, *News and views*, (Parham, P) **357,** 538
Cdc-25 protein. Phosphorylation of the *S. cerevisiae* Cdc25 in response to glucose results in its dissociation from Ras, *Letter to Nature*, (Gross, E, Goldberg, D, Levitzki, A) **360,** 762
***cdc8* gene.** A new tropomyosin essential for cytokinesis in the fission yeast *S. pombe*, *Letter to Nature*, (Balasubramanian, M K, Helfman, D M, Hemmingsen, S M) **360,** 84
Cell adhesion molecules. Crystal structure at 2.8 Å resolution of a soluble form of the cell adhesion molecule CD2, *Article*, (Jones, E Y, Davis, S J, Williams, A F, Harlos, K, Stuart, D I) **360,** 232
Cell adhesion. Cloning and characterization of a gene that regulates cell adhesion, *Letter to Nature*, (Pullman, W E, Bodmer, W F) **356,** 529
Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation, *Letter to Nature*, (Guan, J-L, Shalloway, D) **358,** 690
Cell biology. Exo1 and Exo2 proteins stimulate calcium-dependent exocytosis in permeabilized adrenal chromaffin cells, *Letter to Nature*, (Morgan, A, Burgoyne, R D) **355,** 833
Transmembrane signalling: Pivots or pistons?, *News and views*, **355,** 496
A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion, *Letter to Nature*, (Blobel, C P, Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) **356,** 248
Role of ATP and disulphide bonds during protein folding in the endoplasmic reticulum, *Letter to Nature*, (Braakman, I, Helenius, J, Helenius, A) **356,** 260
Cell biology: A family of fusion proteins, *News and views*, (Aitken, J) **356,** 196
The VASE exon downregulates the neurite growth-promoting activity of NCAM 140, *Letter to Nature*, (Doherty, P, Moolenaar, C E C K, Ashton, S V, Michalides, R J A M, Walsh, F S) **356,** 791
In vitro guide RNA/mRNA chimaera formation in *Trypanosoma brucei* RNA editing, *Letter to Nature*, (Koslowsky, D J, Göringer, H U, Morales, T H, Stuart, K) **356,** 807
Angiogenic factor, *Scientific correspondence*, (Furukawa, T, Yoshimura, A, Sumizawa, T, Haraguchi, M, Akiyama, S-I, Fukui, K, Ishizawa, M, Yamada, Y) **356,** 668
Action of brefeldin A blocked by activation of a pertussis-toxin-sensitive G protein, *Letter to Nature*, (Ktistakis, N T, Linder, M E, Roth, M G) **356,** 344
Quantal calcium release by purified reconstituted inositol 1,4,5-trisphosphate receptors, *Letter to Nature*, (Ferris, C D, Cameron, A M, Huganir, R L, Snyder, S H) **356,** 350
Role of poly(ADP-ribose) formation in DNA repair, *Letter to Nature*, (Satoh, M S, Lindahl, T) **356,** 356
Suppression of a myosin defect by a kinesin-related gene, *Letter to Nature*, (Lillie, S H, Brown, S S) **356,** 358
Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, *Letter to Nature*, (Bustelo, X R, Ledbetter, J A, Barbacid, M) **356,** 68
Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, *Letter to Nature*, (Margolis, B, Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) **356,** 71
A yeast gene (*BEM1*) necessary for cell polarization whose product contains two SH3 domains, *Letter to Nature*, (Chenevert, J, Corrado, K, Bender, A, Pringle, J, Herskowitz, I) **356,** 77
RNA editing: Guides to experiments, *News and views*, (Sollner-Webb, B) **356,** 743
Cell movements, *Book review by* Mitchison, T J. **357,** 32
Molecules of the cytoskeleton, *Book review by* Mitchison, T J. **357,** 32
Involvement of the epidermal growth factor receptor in the invasion of cultured mammalian cells by *Salmonella typhimurium*, *Letter to Nature*, (Galán, J E, Pace, J, Hayman, M J) **357,** 588
Ca^{2+} release induced by inositol 1,4,5-trisphosphate is a steady-state phenomenon controlled by luminal Ca^{2+} in permeabilized cells, *Letter to Nature*, (Missiaen, L, De Smedt, H, Droogmans, G, Casteels, R) **357,** 599
Cell biology: Devious devices of *Salmonella*, *News and views*, (Portnoy, D A, Smith, G A) **357,** 536
Rapid changes of mitochondrial Ca^{2+} revealed by specifically targeted recombinant aequorin, *Letter to Nature*, (Rizzuto, R, Simpson, A W M, Brini, M, Pozzan, T) **358,** 325
Skeletal skeleton, *News and views*, **360,** 768
Crystal structure of the phosphotyrosine recognition domain SH2 of v-*src* complexed with tyrosine-phosphorylated peptides, *Article*, (Waksman, G, Kominos, D, Robertson, S C, Pant, N, Baltimore, D, Birge, R B, Cowburn, D, Hanafusa, H, Mayer, B J, Overduin, M, Resh, M D, Rios, C B, Silverman, L, Kuriyan, J) **358,** 646
The Pas2 protein essential for peroxisome biogenesis is related to ubiquitin-conjugating enzymes, *Letter to Nature*, (Wiebel, F F, Kunau, W-H) **359,** 73
Patterns of elevated free calcium and calmodulin activation in living cells, *Letter to Nature*, (Hahn, K, DeBiasio, R, Lansing Taylor, D) **359,** 736
Inactivation of the sarcoplasmic reticulum calcium channel by protein kinase, *Letter to Nature*, (Wang, J, Best, P M) **359,** 739
Signal-sequence recognition by an *Escherichia coli* ribonucleoprotein complex, *Letter to Nature*, (Luirink, J, High, S, Wood, H, Giner, A, Tollervey, D, Dobberstein, B) **359,** 741
DNA fingerprints of cell lines, *Scientific correspondence*, (MacLeod, R A F, Stacey, G N, Bolton, B J, Doyle, A) **359,** 681
Signal transduction: Fishing in Src-infested waters, *News and views*, (Petsko, G A) **358,** 625
Are vertebrate exons scanned during splice-site selection?, *Letter to Nature*, (Niwa, M, MacDonald, C C, Berget, S M) **360,** 277
Cell biology: New cytoskeletal liaisons, *News and views*, (Goldstein, L S B, Vale, R D) **359,** 193
Evidence that Hensen's node is a site of retinoic acid synthesis, *Letter to Nature*, (Hogan, B L M, Thaller, C, Eichele, G) **359,** 237
A vertebrate actin-related protein is a component of a multisubunit complex involved in microtubule-based vesicle motility, *Letter to Nature*, (Lees-Miller, J P, Helfman, D M, Schroer, T A) **359,** 244
Centractin is an actin homologue associated with the centrosome, *Letter to Nature*, (Clark, S W, Meyer, D I) **359,** 247
Trends in cell biology, *Journal review*, (Armstrong, J, Featherstone, C) **359,** 441
Cellular physiology and biochemistry: International journal of experimental cellular physiology, biochemistry and pharmacology, *Journal review*, (Stanfield, P R, Lang, F) **359,** 441
Microtubule-motor activity of a yeast centromere-binding protein complex, *Letter to Nature*, (Hyman, A A, Middleton, K, Centola, M, Mitchison, T J, Carbon, J) **359,** 533
CENP-E is a putative kinetochore motor that accumulates just before mitosis, *Letter to Nature*, (Yen, T J, Li, G, Schaar, B T, Szilak, I, Cleveland, D W) **359,** 536
Mitotic spindle organization by a plus-end-directed microtubule motor, *Letter to Nature*, (Sawin, K E, LeGuellec, K, Philippe, M, Mitchison, T J) **359,** 540
A plus-end-directed motor enzyme that moves antiparallel microtubules *in vitro* localizes to the interzone of mitotic spindles, *Letter to Nature*, (Nislow, C, Lombillo, V A, Kuriyama, R, McIntosh, J R) **359,** 543
Oxidative stress and heat shock induce a human gene encoding a protein-tyrosine phosphatase, *Letter to Nature*, (Keyse, S M, Emslie, E A) **359,** 644
A whole genome approach to *in vivo* DNA-protein interactions in *E. coli*, *Letter to Nature*, (Wang, M X, Church, G M) **360,** 606
Spliced leader RNAs from lower eukaryotes are *trans*-spliced in mammalian cells, *Letter to Nature*, (Bruzik, J P, Maniatis, T) **360,** 692
Correction: Homology of a 150K cytoplasmic dynein-associated polypeptide with the *Drosophila* gene, *Letter to Nature*, (Holzbaur, E L F, Hammarback, J A, Paschal, B M, Kravit, N G, Pfister, K K, Vallee, R B) **360,** 695
Cellular biophysics: Proteins as machines, *News and views*, (Pollard, T D) **355,** 17
Depletion of intracellular calcium stores activates a calcium current in mast cells, *Letter to Nature*, (Hoth, M, Penner, R) **355,** 353
Inositol 1, 3, 5-tetrakisphosphate activates an endothelial Ca^{2+}-permeable channel, *Letter to Nature*, (Lückhoff, A, Clapham, D E) **355,** 356
Cell physiology: Controls on calcium influx, *News and views*, (Neher, E) **355,** 298
Protein folding in the cell, *Review article*, (Gething, M-J, Sambrook, J) **355,** 33
Mapping of the protein import machinery in the mitochondrial outer membrane by crosslinking of translocation intermediates, *Letter to Nature*, (Söllner, T, Rassow, J, Wiedmann, M, Schlossmann, J, Keil, P, Neupert, W, Pfanner, N) **355,** 84
Molecular biology: Extinction by indirect means, *News and views*, (Weiss, M C) **355,** 22
Chromatin as an essential part of the transcriptional mechanism, *Review article*, (Felsenfeld, G) **355,** 219
The structure of the *E. coli recA* protein monomer and polymer, *Article*, (Story, R M, Weber, I T, Steitz, T A) **355,** 318
Molecular biology: recA: from locus to lattice, *News and views*, (McEntee, K) **355,** 302
Molecular dissection of the secretory pathway, *Review article*, (Rothman, J E, Orci, L) **355,** 409
Different conformations for the same polypeptide bound to chaperones DnaK and GroEL, *Letter to Nature*, (Landry, S J, Jordan, R, McMacken, R, Gierasch, L M) **355,** 455
Cell cycle. New yeast actin-like gene required late in the cell cycle, *Letter to Nature*, (Schwob, E, Martin, R P) **355,** 179
Inhibition of p53 transactivation required for transformation by adenovirus early 1B protein, *Letter to Nature*, (Yew, P . Berk, A J) **357,** 82
wee1 protein kinase is required for radiation-induced mitotic delay, *Letter to Nature*, (Rowley, R, Hudson, J, Young, P G) **356,** 353
p-Tubulin is a centrosomal protein required for cell cycle-de-

pendent microtubule nucleation. *Letter to Nature*, (Joshi, H C, Palacios, M J, McNamara, L, Cleveland, D W) **356,** 80
SW16 protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast. *Letter to Nature*, (Lowndes, N F, Johnson, A L, Breeden, L, Johnston, L H) **357,** 505
A central role for *SW16* in modulating cell cycle Start-specific transcription in yeast. *Letter to Nature*, (Dirick, L, Moll, T, Auer, H, Nasmyth, K) **357,** 508
Rb..inoblastoma protein switches the E2F site from positive to negative element. *Letter to Nature*, (Weintraub, S J, Prater, C A, Dean, D C) **358,** 259
Anatomy of a transcription factor important for the Start of the cell cycle in *Saccharomyces cerevisiae*. *Letter to Nature*, (Primig, M, Sockanathan, S, Auer, H, Nasmyth, K) **358,** 593
Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase. *Letter to Nature*, (Kuo, C J, Chung, J, Fiorentino, D F, Flanagan, W M, Blenis, J, Crabtree, G R) **358,** 70
Creative blocks: cell-cycle checkpoints and feedback controls. *Review article*, (Murray, A W) **359,** 599
Regulation of G1-S transition in postembryonic neuronal precursors by axon ingrowth. *Letter to Nature*, (Selleck, S B, Gonzalez, C, Glover, D M, White, K) **355,** 253
S-phase feedback control in budding yeast independent of tyrosine phosphorylation of $p34^{CDC28}$. *Letter to Nature*, (Sorger, P K, Murray, A W) **355,** 365
Regulation of $p34^{CDC28}$ tyrosine phosphorylation is not required for entry into mitosis in *S. cerevisiae*. *Letter to Nature*, (Amon, A, Surana, U, Muroff, I, Nasmyth, K) **355,** 368
Cell biology: Centrosome and cell division. *News and views*, (Bailly, E, Bornens, M) **355,** 300
Control of DNA synthesis genes in fission yeast by the cell-cycle gene *cdc10*. *Letter to Nature*, (Lowndes, N F, McInerny, C J, Johnson, A L, Fantes, P A, Johnston, L H) **355,** 449
Gene expression: Dialogue with the cell cycle. *News and views*, (Andrews, B J) **355,** 393
B destructive. *News and views*, **355,** 398
Cell death, programmed. Apoptosis: The molecular basis of cell death. *Book review by* Williams, G T. **356,** 28
Social controls on cell survival and cell death. *Review article*, (Raff, M C) **356,** 397
Caenorhabditis elegans gene *ced-9* protects cells from programmed cell death. *Article*, (Hengartner, M O, Ellis, R E, Horvitz, H R) **356,** 494
Cell death. Death by superantigen. *Scientific correspondence*, (Ochi, A, Kawabi, Y) **355,** 211
Death by superantigen: Reply. *Scientific correspondence*, (Cohen, J J, Duke, R C, Sellins, K S) **355,** 212
Cell differentiation. Antisense oligodeoxynucleotides to G_i protein α-subunit sequence accelerate differentiation of fibroblasts to adipocytes. *Letter to Nature*, (Wang, H-y, Watkins, D C, Malbon, C C) **358,** 334
Expression of *Hox-7.1* in myoblasts inhibits terminal differentiation and induces cell transformation. *Letter to Nature*, (Song, K, Wang, Y, Sassoon, D) **360,** 477
A transcriptional hierarchy involved in mammalian cell-type specification. *Letter to Nature*, (Kuo, C J, Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) **355,** 457
Cell division. Kinesin-related cut7 protein associates with mitotic and meiotic spindles in fission yeast. *Letter to Nature*, (Hagan, I, Yanagida, M) **356,** 74
Loss of gene function through rapid mitotic cycles in the *Drosophila* embryo. *Letter to Nature*, (Rothe, M, Pehl, M, Taubert, H, Jäckle, H) **359,** 156
Escherichia coli cell-division gene *ftsZ* encodes a novel GTP-binding protein. *Letter to Nature*, (RayChaudhuri, D, Park, J T) **359,** 251
The essential bacterial cell-division protein FtsZ is a GTPase. *Letter to Nature*, (de Boer, P, Crossley, R, Rothfield, L) **359,** 254
Cell biology: Every motion has its motor. *News and views*, (Gelfand, V I, Scholey, J M) **359,** 480
Microtubule-motor activity of a yeast centromere-binding protein complex. *Letter to Nature*, (Hyman, A A, Middleton, K, Centola, M, Mitchison, T J, Carbon, J) **359,** 533
CENP-E is a putative kinetochore motor that accumulates just before mitosis. *Letter to Nature*, (Yen, T J, Li, G, Schaar, B T, Szilak, I, Cleveland, D W) **359,** 536
Mitotic spindle organization by a plus-end-directed microtubule motor. *Letter to Nature*, (Sawin, K E, LeGuellec, K, Philippe, M, Mitchison, T J) **359,** 540
A plus-end-directed motor enzyme that moves antiparallel microtubules *in vitro* localizes to the interzone of mitotic spindles. *Letter to Nature*, (Nislow, C, Lombillo, V A, Kuriyama, R, McIntosh, J R) **359,** 543
Cell locomotion. Surface particle transport mechanism independent of myosin II in *Dictyostelium*. *Letter to Nature*, (Jay, P Y, Elson, E L) **356,** 438
Cell movements. *Book review by* Mitchison, T J. **357,** 32
Cell motility. Novel form of growth cone motility involving site-directed actin filament assembly. *Letter to Nature*, (Forscher, P, Lin, C H, Thompson, C) **357,** 515
Cell motility: Beads, bacteria and actin. *News and views*, (Sanger, J W, Sanger, J M) **357,** 442
Actin in cell attachment. *Scientific correspondence*, (Knutton, S, Baldwin, T, Williams, P, Sanger, J, Sanger, J) **359,** 369
Cell mutation. Experimental evidence for an alternative to directed mutation in the *bgl* operon. *Letter to Nature*, (Mittler, J E, Lenski, R E) **356,** 446
Cell proliferation. Retinoblastoma gene product activates expression of the human *TGF-β2* gene through transcription factor ATF-2. *Letter to Nature*, (Kim, S-J, Wagner, S, Liu, F, O'Reilly, M A, Robbins, P D, Green, M R) **358,** 331
Cell respiration. Oxygen activation and the conservation of energy in cell respiration. *Review article*, (Babcock, G T, Wikström, M) **356,** 301
Cell signalling, plants. Cell signalling: Potential awareness of plants. *News and views*, (Roberts, K) **360,** 14
Cell signalling. Cell signalling: Conviction by genetics. *News and views*, (Pawson, T) **356,** 285
C. elegans cell-signalling gene *sem-5* encodes a protein with SH2 and SH3 domains. *Letter to Nature*, (Clark, S G, Stern, M J, Horvitz, H R) **356,** 340
Electrical signalling and systemic proteinase inhibitor induction in the wounded plant. *Letter to Nature*, (Wildon, D C, Thain, J F, Minchin, P E H, Gubb, I R, Reilly, A J, Skipper, Y D, Doherty, H M, O'Donnell, P J, Bowles, D J) **360,** 62
Calcium-dependent immediate feedback control of inositol 1,4,5-trisphosphate-induced Ca^{2+} release. *Letter to Nature*, (Iino, M, Endo, M) **360,** 76
Cell signalling: A molecular growth industry. *News and views*, (Ruvkun, G) **360,** 711
Signalling by the *sevenless* protein-tyrosine kinase is mimicked by Rasl activation. *Letter to Nature*, **355,** 559
Cell targeting. Molecular lightning rod. *News and views*, **357,** 364
Cell transformation. Bipotential precursors of B cells and macrophages in murine fetal liver. *Letter to Nature*, (Cumano, A, Paige, C J, Iscove, N N, Brady, G) **356,** 612
Chromosomal instability. *Scientific correspondence*, (Sabatier, L, Dutrillaux, B, Martin, M B) **357,** 548
Ornithine decarboxylase activity is critical for cell transformation. *Letter to Nature*, (Auvinen, M, Paasinen, A, Andersson, L C, Hölttä, E) **360,** 355
Expression of *Hox-7.1* in myoblasts inhibits terminal differentiation and induces cell transformation. *Letter to Nature*, (Song, K, Wang, Y, Sassoon, D) **360,** 477
Cell transformation and activation of $pp60^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase. *Letter to Nature*, (Zheng, X M, Wang, Y, Pallen, C J) **359,** 336
Cell volume. Regions involved in the opening of ClC-2 chloride channel by voltage and cell volume. *Letter to Nature*, (Gründer, S, Thiemann, A, Pusch, M, Jentsch, TJ) **360,** 759
Cellulases. Three-dimensional structure of a thermostable bacterial cellulase. *Letter to Nature*, (Juy, M, Amit, A G, Alzari, P M, Poljak, R J, Claeyssens, M, Béguin, P, Aubert, J-P) **357,** 89
Cement. Strong stuff. *News and views*, **358,** 455
CENP-E. CENP-E is a putative kinetochore motor that accumulates just before mitosis. *Letter to Nature*, (Yen, T J, Li, G, Schaar, B T, Szilak, I, Cleveland, D W) **359,** 536
Centenaries. Babbage's dates. *Correspondence*, (Steel, D I) **356,** 653
Eighteen-ninety two and all that. *Commentary*, (Heilbron, J L, Bynum, W F) **355,** 11
Left out. *Correspondence*, (Ferreira, R) **355,** 384
Centractin. Centractin is an actin homologue associated with the centrosome. *Letter to Nature*, (Clark, S W, Meyer, D I) **359,** 247
Centrifugation. Crystallization by centrifugation. *Scientific correspondence*, (Abad-Zapatero, C) **356,** 392
Crystallization by centrifugation (Reply). *Scientific correspondence*, (Pitts, J E) **356,** 392
Crystallization by centrifugation. *Scientific correspondence*, (Pitts, J E) **355,** 117
Centrosome. Cell biology: Centrosome and cell division. *News and views*, (Bailly, E, Bornens, M) **355,** 300
Ceramics. An electrochemical route to pre-shaped ceramic bodies. *Letter to Nature*, (Mitchell, P J, Wilcox, G D) **357,** 395
Synthesis of dense silicon-based ceramics at low temperatures. *Letter to Nature*, (Riedel, R, Passing, G, Schönfelder, H, Brook, R J) **355,** 714
CERN. CERN officials visit Tokyo, hat in hand, in search of funds for their next big collider. *News*, (Swinbanks, D) **357,** 429
Rubbia prods Japanese to pay more to CERN. *News*, (Swinbanks, D) **359,** 5
British physicist to head CERN. *News*, (Mundell, I) **359,** 352
CERN blames full moon for LEP problems. *News*, (Abbott, A, Pease, R) **360,** 400
CERN told to pay $70 million to engineering consortium. *News*, (Aldhous, P) **355,** 285
Cervical carcinoma. Immunogenetics: Viruses, cancer and the MHC. *News and views*, (Klitz, W) **356,** 17
HLA antigens and cervical carcinoma. *Scientific correspondence*, (Glew, S S, Stern, P L, Davidson, J A, Dyer, P A, Wank, R, Schendel, D J, Thomssen, C, Helland, Å, Borresen, A L, Kaern, J, Ronningen, K S, Thorsby, E) **356,** 23
CFCs. CFCs active. *Correspondence*, (Gribbin, J) **357,** 272
Time-dependent ozone depletion potentials for short- and long-term forecasts. *Review article*, (Solomon, S, Albritton, D L) **357,** 33
'Neutral' CFCs?. *Correspondence*, (Montgomery, K) **356,** 738
Ozone depletion: Volcanic aerosols implicated. *News and views*, (Brasseur, G) **359,** 275
Environment: Pinning the blame on carbon dioxide. *News*, (Aldhous, P) **355,** 9
Chagas' disease. Chagas' disease: Defence cuts begin to bite. *News and views*, (Parham, P) **356,** 291
Susceptibility of β_2-microglobulin-deficient mice to *Trypanosoma cruzi* infection. *Letter to Nature*, (Tarleton, R L, Koller, B H, Latour, A, Postan, M) **356,** 338
Chance. Chance and chaos. *Book review by* May, R M. **358,** 293
Searching for certainty: What science can know about the future. *Book review by* May, R M. **358,** 293
Chaos. A three-variable model of deterministic chaos in the Belousov-Zhabotinsky reaction. *Letter to Nature*, (Györgyi, L, Field, R J) **355,** 808
Solar system: Wandering on a leash. *News and views*, (Murray, C D) **357,** 542
Chemical chaos. *Book review by* Tyson, J J. **356,** 394
An example of stable chaos in the Solar System. *Letter to Nature*, (Milani, A, Nobili, A M) **357,** 569
Nonlinear prediction as a way of distinguishing chaos from random fractal sequences. *Letter to Nature*, (Tsonis, A A, Elsner, J B) **358,** 217
Chance and chaos. *Book review by* May, R M. **358,** 293
Searching for certainty: What science can know about the future. *Book review by* May, R M. **358,** 293
Chaos, solitons and fractals: Applications in science and engineering. *Journal review*, (Shlesinger, M, El Naschie, M S) **359,** 453
Chaos. *Journal review*, (Shlesinger, M, Campbell, D K) **359,** 453
International journal of bifurcation and chaos. *Journal review*, (Chua, L O, Shlesinger, M) **359,** 453
How predictable is chaos?. *Scientific correspondence*, (Cazelles, B, Ferriere, R H) **355,** 25
How predictable is chaos? Reply. *Scientific correspondence*, (Sugihara, G, May, R M) **355,** 26
Quantum chaos. *Review article*, (Jensen, R V) **355,** 311
Chaos and epidemiology: Repellors attract attention. *News and views*, (Sidorowich, J J) **355,** 584
Quantum mechanics: Bringing order out of chaos. *News and views*, (Jensen, R V) **355,** 591
Dynamical systems: Coming to grips with chaos. *News and views*, (Moon, F C) **355,** 675
Chaperones, molecular. Successive action of DnaK, DnaJ and GroEL along the pathway of chaperone-mediated protein folding. *Article*, (Langer, T, Lu, C, Echols, H, Flanagan, J, Hayer, M K, Hartl, F U) **356,** 683
Protein folding: Further up the kinetic pathway. *News and views*, (Pain, R) **356,** 664
Is yeast TCP1 a chaperonin?. *Scientific correspondence*, (Ursic, D, Culbertson, M R) **356,** 392
Heat shock in *Escherichia coli* alters the protein-binding properties of the chaperonin groEL by inducing its phosphorylation. *Letter to Nature*, (Sherman, M Y, Goldberg, A L) **357,** 167
Protein folding: Cytosolic chaperonin confirmed. *News and views*, (Ellis, J) **358,** 191
TCP1 complex is a molecular chaperone in tubulin biogenesis. *Letter to Nature*, (Yaffe, M B, Farr, G W, Miklos, D, Horwich, A L, Sternlicht, M L, Sternlicht, H) **358,** 245
T-complex polypeptide-1 is a subunit of heteromeric particle in the eukaryotic cytosol. *Letter to Nature*, (Lewis, V A, Hynes, G M, Zheng, D, Saibil, H, Willison, K) **358,** 249
What is a chaperonin?. *Scientific correspondence*, (Hemmingsen, S M) **357,** 650
Hsp90 chaperones protein folding *in vitro*. *Letter to Nature*, (Wiech, H, Buchner, J, Zimmermann, R, Jakob, U) **358,** 169
Chaperones classified. *Scientific correspondence*, (Webb, R, Sherman, L A) **359,** 485
Chaperones. Different conformations for the same polypeptide bound to chaperones DnaK and GroEL. *Letter to Nature*, (Landry, S J, Jordan, R, McMacken, R, Gierasch, L M) **355,** 455
Chaperonins. Protein folding in the cell. *Review article*, (Gething, M-J, Sambrook, J) **355,** 33
Charge quantization. Is charge quantization exact?. *News and views*, (Maddox, J) **358,** 449
Charpak, Georges. Nobel prizes go to Caltech chemist, CERN physicist. *News*, (Garwin, L, Finn, R) **359,** 664
Chemical bonding. Chemical bonding: Fixing a molecular snapshot. *News and views*, (Fowler, P) **355,** 586
Chemical defences. Dead good. *News and views*, **359,** 779
Chemical ecology. Chemical ecology: Rubbish birds are poisonous. *News and views*, (Diamond, J M) **360,** 19
Insect chemical ecology: An evolutionary approach. *Book review by* Wyatt, T D. **360,** 120
Insect chemical ecology: An evolutionary approach. *Book review by* Wyatt, T D. **360,** 120
Chemical industry. Working in the chemical industry. *Miscellany*, (Shannon, C) **357,** 705
Chemical kinetics. Femtosecond laser control of a chemical reaction. *Letter to Nature*, (Potter, E D, Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) **355,** 66

Chemical physics. Forced vortex interaction and annihilation in an active medium, *Letter to Nature*, (Schütze, J, Steinbock, O, Müller, S C) **356,** 45
Chemical kinetics: Probing the transition state, *News and views*, (Smith, I W M) **358,** 279
Stable photoinduced charge separation in layered viologen compounds, *Letter to Nature*, (Vermeulen, L A, Thompson, M E) **358,** 656
The chemical bond: structure and dynamics, *Book review by* Atkins, P W. **358,** 550
Enhancement of polymerization rates for rigid rod-like molecules by shearing, *Letter to Nature*, (Agarwal, U S, Khakhar, D V) **360,** 53
Solar power: Towards energy storage, *News and views*, (Dutta, P) **358,** 621
Towards real-time molecular demolition?, *News and views*, (Maddox, J) **360,** 103
A three-dimensional periodic table, *Scientific correspondence*, (Magarshak, Y, Malinsky, J) **360,** 114
Chemical vapour deposition. High-quality superconducting thin films of $Bi_2Sr_2Ca_2Cu_3O_x$ grown *in situ* by metalorganic CVD, *Letter to Nature*, (Endo, K, Yamasaki, H, Misawa, S, Yoshida, S, Kajimura, K) **355,** 327
Chemical weapons. Rational disposal of chemical weapons, *Commentary*, (Black, S, Morel, B) **360,** 621
Chemistry. Chemistry set, *News and views*, **355,** 774
Chemistry, history. Ideas in Chemistry: A History of the Science, *Book review by* Harman, P. **359,** 785
Science as Public Culture: Chemistry and Enlightenment in Britain, 1760-1820, *Book review by* Harman, P. **359,** 785
From Cavendish to Chemist, *Book review by* Harman, P. **359,** 785
Chemistry. Supramolecular chemistry: New synthetic receptors, *News and views*, (Lindoy, L F) **356,** 197
Chemical communications, *News and views*, (Lincoln, T) **359,** 589
A new hydrocarbon cage, *News and views*, (Lindoy, L F) **359,** 778
Mendeleev communications: Preliminary accounts of important new work in chemistry from Russia, other states of the commonwealth of independent status, *Journal review*, (Crombie, L, Nefedov, O M, Frey, H M) **359,** 457
Chemosensechanical systems. Polymers: Synthetic gels on the move, *News and views*, (Kajiwara, K, Ross-Murphy, S B) **355,** 208
A polymer gel with electrically driven motility, *Letter to Nature*, (Osada, Y, Okuzaki, H, Hori, H) **355,** 242
Chemosensory neurons. Connectivity of chemosensory neurons is controlled by the gene pox n in Drosophila, *Letter to Nature*, (Nottebohm, E, Dambly-Chaudière, C, Ghysen, A) **359,** 829
Chemotaxis. Expression of members of the putative olfactory receptor gene family in mamalian germ cells, *Letter to Nature*, (Parmentier, M, Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) **355,** 453
Chernobyl accident. Childhood thyroid cancer in Belarus, *Scientific correspondence*, (Beral, V, Reeves, G, Shigematsu, I, Thiessen, J W) **359,** 680
Thyroid cancer after Chernobyl, *Scientific correspondence*, (Kazakov, V S, Demidchik, E P, Astakhova, L N, Baverstock, K, Egloff, B, Pinchera, A, Ruchti, C, Williams, D) **359,** 21
Chicxulub structure. Petrogenesis of an auxite-bearing melt rock in the Chicxulub structure and its relationship to K/T impact spherules in Haiti, *Letter to Nature*, (Kring, D A, Boynton, W V) **358,** 141
Chimneys. Melt dynamics: Convection brought to a focus, *News and views*, (Loper, D) **359,** 364
The planform of compositional convection and chimney formation in a mushy layer, *Letter to Nature*, (Tait, S, Jahrling, K, Jaupart, C) **359,** 406
Chimpanzees. The Last Ape: Pygmy Chimpanzee Behavior and Ecology, *Book review by* Zihlman, A. **359,** 786
China, free enterprise. Chinese researchers told to fend for themselves, *News*, (Li, Y Q) **360,** 8
China, freedom of movement. China relaxes rules for visiting citizens, *News*, (Li, Y Q) **358,** 98
China, human rights. Visitors to China urged to protest, *News*, (Anderson, C) **357,** 5
Chinese scientist arrested for entrepreneurial spirit, *News*, (Li, Y Q) **359,** 763
Human rights, *Correspondence*, (Chau, P-L, Yang, H) **360,** 292
China, reform. Chinese reforms: Scientists emerge with favoured status, *News*, (Gwynne, P) **356,** 275
China, research funding. Chinese researchers promised more, *News*, (Li, Y Q) **358,** 182
China juggles economic growth and basic research, *News*, (Li, Y Q) **359,** 177
China, research salaries. Rising salaries: China drives forward, *News*, (Li, Y Q) **356,** 469
China, science. Chinese reforms: Scientists emerge with favoured status, *News*, (Gwynne, P) **356,** 275
Chinese science: Academy grows younger, *News*, (Li, Y Q) **355,** 489
China-Israel, diplomatic relations. Israel: Science cements Chinese ties, *News*, (Rabinovich, A) **356,** 183
China. China in Brief, *News*, (Li, Y Q, Li, Y Q) **360,** 201
Chinese Academy of Sciences. Chinese science: Academy grows younger, *News*, (Li, Y Q) **355,** 489
Chirality. Biological asymmetry and handedness, Ciba Foundation Symposium 162, *Book review by* Slack, J. **355,** 217
Chlamydomonas. Molecular biology: *Chlamydomonas* surrenders, *News and views*, (VanWinkle-Swift, K P) **358,** 106
Chloride channels. Volume-regulated chloride channels associated with the human multidrug-resistance P-glycoprotein, *Letter to Nature*, (Valverde, M A, Diaz, M, Sepúlveda, F V) **355,** 830
Regions involved in the opening of ClC-2 chloride channel by voltage and cell volume, *Letter to Nature*, (Gründer, S, Thiemann, A, Pusch, M, Jentsch, TJ) **360,** 759
A chloride channel widely expressed in epithelial and non-epithelial cells, *Letter to Nature*, (Thiemann, A, Gründer, S, Pusch, M, Jentsch, T J) **356,** 57
New mammalian chloride channel identified by expression cloning, *Letter to Nature*, (Paulmichl, M, Li, Y, Wickman, K, Ackerman, M, Peralta, E, Clapham, D) **356,** 238
CFTR mechanism, *Scientific correspondence*, (McPherson, M A, Dormer, R L) **356,** 113
Defective regulation of outwardly rectifying Cl channels by protein kinase A corrected by insertion of CFTR, *Letter to Nature*, (Egan, M, Flotte, T, Afione, S, Solow, R, Zeitlin, P L, Carter, B J, Guggino, W B) **358,** 581
Cystic fibrosis: Chloride channels revisited, *News and views*, (Higgins, C) **358,** 536
Processing of mutant cystic fibrosis transmembrane conductance regulator is temperature-sensitive, *Letter to Nature*, (Denning, G M, Anderson, M P, Amara, J F, Marshall, J, Smith, A E, Welsh, M J) **358,** 761
Control of CFTR chloride conductance by ATP levels through non-hydrolytic binding, *Letter to Nature*, (Quinton, P M, Reddy, M M) **360,** 79
The protein kinase A-regulated cardiac Cl channel resembles the cystic fibrosis transmembrane conductance regulator, *Letter to Nature*, (Nagel, G, Hwang, T-C, Nastiuk, K L, Nairn, A C, Gadsby, D C) **360,** 81
Cystic fibrosis: ATP and chloride conductance, *News and views*, (Wine, J J, Silverstein, S C) **360,** 18
Chlorine, atmospheric. Ozone depletion: Volcanic aerosols implicated, *News and views*, (Brasseur, G) **359,** 275
Chloroplasts. Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation, *Letter to Nature*, (Urbach, E, Robertson, D L, Chisholm, S W) **355,** 267
Chloroplasts. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes, *Letter to Nature*, (Palenik, B, Haselkorn, R) **355,** 265
Chloroquine. Malaria: How chloroquine works, *News and views*, (Wellems, T E) **355,** 108
Inhibition by chloroquine of a novel haem polymerase enzyme activity in malaria tropozoites, *Letter to Nature*, (Slater, A F G, Cerami, A) **355,** 167
Cholera. Solar sterilization, *News and views*, **359,** 590
Chromatin. Chromatin as an essential part of the transcriptional mechanism, *Review article*, (Felsenfeld, G) **355,** 219
Chromatography. C, separation on coal, *Scientific correspondence*, (Wilson, M A, Pang, L S K, Vassallo, A M) **355,** 117
Homage to Tswett, *Correspondence*, (Jössang, P) **356,** 100
Continuous beds: high-resolving, cost-effective chromatographic matrices, *Product review*, (Hjertén, S, Li, Y-M, Liao, J-L, Mohammad, J, Nakazato, K, Pettersson, G) **356,** 810
Chromosome translocation. Gene fusion with an ETS DNA-binding domain caused by chromosome translocation in human tumours, *Letter to Nature*, (Delattre, O, Zucman, J, Plougastel, B, Desmaze, C, Melot, T, Peter, M, Kovar, H, Joubert, I, de Jong, P, Rouleau, G, Aurias, A, Thomas, G) **359,** 162
Chromosphere, Sun. Extreme-infrared brightness profile of the solar chromosphere obtained during the total eclipse of 1991, *Letter to Nature*, (Lindsey, C, Jefferies, J T, Clark, T A, Harrison, R A, Carter, M K, Watt, G, Becklin, E E, Roellig, T L, Braun, D C, Naylor, D A, Tompkins, G J) **358,** 308
Solar astronomy: Darkness can illuminate, *News and views*, (Foukal, P) **358,** 285
Chronic disease. Statistics of chronic disease control, *Commentary*, (Peto, R) **356,** 557
Born to it, *Correspondence*, (Judson, O) **357,** 433
Cichlid fishes. Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes, *Letter to Nature*, (Sturmbauer, C, Meyer, A) **358,** 578
Cilia. Stabilization of sea urchin flagellar microtubules by histone H1, *Article*, (Multigner, L, Gagnon, J, Van Dorsselaer, A, Job, D) **360,** 33
Ciliary neurotrophic factor. Ciliary neurotrophic factor prevents degeneration of motor neurons in mouse mutant progressive motor neuronopathy, *Letter to Nature*, (Sendtner, M, Schmalbruch, H, Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H) **358,** 502
Motor neuron diseases: High hopes of a trophic factor, *News and views*, (Oppenheim, R W) **358,** 451
Circumsolar dust. A search during the 1991 solar eclipse for the infrared signature of circumsolar dust, *Letter to Nature*, (Hodapp, K-W, MacQueen, R M, Hall, D N B) **355,** 707
Circumstellar disks. Planetary formation: Finding circumstellar disks, *News and views*, (Strom, S E) **359,** 360
Circumstellar disks deduced from sub-arcsecond polarization observations of two young stars, *Letter to Nature*, (Pirola, V, Scaltriti, F, Coyne, G V) **359,** 399
Circumstellar gas. Resolution of the circumstellar gas around the Be star Persei, *Letter to Nature*, (Dougherty, S M, Taylor, A R) **359,** 808
Cirrhosis. The mechanism of Z α_1-antitrypsin accumulation in the liver, *Letter to Nature*, (Lomas, D A, Evans, D Ll, Finch, J T, Carrell, R W) **357,** 605
Protein transport: Z and the insoluble answer, *News and views*, (Sifers, R N) **357,** 541
CIS, astronomy. Astronomical and astrophysical transactions: The journal of the Soviet Astronomical society, *Journal review*, (Rowan-Robinson, M, Bochkarev, N G) **359,** 460
CIS, chemistry. Mendeleev communications: Preliminary accounts of important new work in chemistry from Russia, other states of the commonwealth of independent..., *Journal review*, (Crombie, L, Nefedov, O M, Frey, H M) **359,** 457
Citations. Estimating Popper's impact, *Correspondence*, (Lindahl, B I B, Welljams-Dorof, A) **360,** 204
Citric acid, biodegradation. Biodegradation of metal citrate complexes and implications for toxic-metal mobility, *Letter to Nature*, (Francis, A J, Dodge, C J, Gillow, J B) **356,** 140
Civil engineering. Real-life failure, *Scientific correspondence*, (Podell, H I) **355,** 683
Civil rights. Genetic information: Challenge to British forensic database, *News*, (Aldhous, P) **355,** 191
Clarke, Arthur C. Odyssey: The authorised biography of Arthur C Clarke, *Book review by* Regis, E. **360,** 373
How the world was one: Beyond the global village, *Book review by* Regis, E. **360,** 373
Climate change. Ozone depletion: Cold comfort in the greenhouse, *News and views*, (Kiehl, J T) **355,** 773
Radiative forcing of climate from halocarbon-induced global stratospheric ozone loss, *Letter to Nature*, (Ramaswamy, V, Schwarzkopf, M D, Shine, K P) **355,** 810
Global biomass burning: Atmospheric, climatic, and biospheric implications, *Book review by* Overpeck, J T. **356,** 670
Warming of the water column in the southwest Pacific Ocean, *Letter to Nature*, (Bindoff, N L, Church, J A) **357,** 59
Sea-level rise or fall?, *Scientific correspondence*, (Shlyakhter, A I, Kammen, D M) **357,** 25
Implications for climate and sea level of revised IPCC emissions scenarios, *Review article*, (Wigley, T M L, Raper, S C B) **357,** 293
A sequential-decision strategy for abating climate change, *Letter to Nature*, (Hammitt, J K, Lempert, R J, Schlesinger, M E) **357,** 315
Global propagation of interannual fluctuations in atmospheric angular momentum, *Letter to Nature*, (Dickey, J O, Marcus, S L, Hide, R) **357,** 484
Indirect chemical effects of methane on climate warming: Correction, *Letter to Nature*, (Lelieveld, J, Crutzen, P J) **357,** 607
Modelling the hydrological cycle in assessments of climate change, *Review article*, (Rind, D, Rosenzweig, C, Goldberg, R) **358,** 119
The hydrological cycle and its influence on climate, *Review article*, (Chahine, M T) **359,** 373
Variability in sea-ice thickness over the North Pole from 1977 to 1990, *Letter to Nature*, (McLaren, A S, Walsh, J E, Bourke, R H, Weaver, R L, Wittmann, W) **358,** 224
Climate variability, climate change and fisheries, *Book review by* Shepherd, J G. **358,** 292
Frequency variations of the Earth's obliquity and the 100-kyr ice-age cycles, *Letter to Nature*, (Liu, H-S) **358,** 397
Evidence from Cd/Ca ratios in foraminifera for greater upwelling off California 4,000 years ago, *Letter to Nature*, (van Geen, A, Luoma, S N, Fuller, C C, Anima, R, Clifton, H E, Trumbore, S) **358,** 54
Climate change, *Correspondence*, (Grubb, M) **358,** 448
Geomorphic responses to climate change, *Book review by* Goudie, A S. **358,** 382
Seasonal and interannual variations in atmospheric oxygen and implications for the global carbon cycle, *Article*, (Keeling, R F, Shertz, S R) **358,** 723
Volcanic winter and accelerated glaciation following the Toba super-eruption, *Letter to Nature*, (Rampino, M R, Self, S) **359,** 50
Geochronological evidence supporting Antarctic deglaciation three million years ago, *Letter to Nature*, (Barrett, P J, Adams, C J, McIntosh, W C, Swisher, C C III, Wilson, G S) **359,** 816
Is the Antarctic ice sheet growing?, *Review article*, (Jacobs, S S) **360,** 29
Cooling and freshening of the subpolar North Atlantic Ocean since the 1960s, *Letter to Nature*, (Read, J F, Gould, W J) **360,** 55
Antarctic ice sheets at risk?, *News and views*, (Sugden, D) **359,** 775
Greenhouse dilemma, *Correspondence*, (Anderson, T L, Charlson, R J, Coakley, J A) **357,** 105
Climate since AD 1500, *Book review by* Ruddiman, W F. **358,** 721
Global change: diminishing oxygen, *News and views*, (Broecker, W S, Severinghaus, J P) **358,** 710
Ocean circulation: Global warming, ocean cooling, *News and views*, (Clarke, A) **360,** 17
Glaciation: Explosive start to last ice age, *News and views*, (Ramaswamy, V) **359,** 14
Possibility of an Arctic ozone hole in a doubled-CO$_2$ climate, *Article*, (Austin, J, Butchart, N, Shine, K P) **360,** 221

Evidence for massive discharges of icebergs into the North Atlantic ocean during the last glacial period, *Letter to Nature*, (Bond, G, Heinrich, H, Broecker, W, Labeyrie, L, McManus, J, Andrews, J, Huon, S, Jantschik, R, Clasen, S, Simet, C, Tedesco, K, Klas, M, Bonani, G, Ivy, S) **360,** 245

Global change: A looming Arctic ozone hole?, *News and views*, (Mahlman, J D) **360,** 209

Climate change: Following iceberg footprints, *News and views*, (Jansen, E) **360,** 212

Confronting climate change: Risks, implications and responses, *Book review by* Thompson, R D. **359,** 115

Palaeoclimatology: Avoiding a permanent ice age, *News and views*, (Kuhn, W R) **359,** 196

Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, *Letter to Nature*, (Caldeira, K, Kasting, J F) **359,** 226

Observation and possible causes of new ozone depletion in Antarctica in 1991, *Article*, (Hofmann, D J, Oltmans, S J, Harris, J M, Solomon, S, Deshler, T, Johnson, B J) **359,** 283

Removal of sulphur from the marine boundary layer by ozone oxidation in sea-salt aerosols, *Letter to Nature*, (Sievering, H, Boatman, J, Gorman, E, Kim, Y, Anderson, L, Ennis, G, Luria, M, Pandis, S) **360,** 571

Deriving global climate sensitivity from palaeoclimate reconstructions, *Letter to Nature*, (Hoffert, M I, Covey, C) **360,** 573

Climate change, *Correspondence*, (Bernaerts, A) **360,** 292

Ice Ages: An uplifting experience, *News and views*, (Rind, D) **360,** 414

IPCC strategies unfair to the South, *Commentary*, (Parikh, J K) **360,** 507

Global change: Lessons from past climates, *News and views*, (Barron, E J) **360,** 533

Frosty reception, *News and views*, **360,** 536

The life span of the biosphere revisited, *Letter to Nature*, (Caldeira, K, Kasting, J F) **360,** 723

Uncertainties of climate change, *Correspondence*, (Lave, L B, Dowlatabadi, H, McRae, G J, Morgan, M G, Rubin, E S) **355,** 197

Methane and Milankovitch cycles, *Scientific correspondence*, (Adams, J M, Faure, H, Petit-Maire, N) **355,** 214

Climate and landscape response, *Scientific correspondence*, (Summerfield, M A, Kirkbride, M P) **355,** 306

Climate and landscape response: Reply, *Scientific correspondence*, (Molnar, P, England, P) **355,** 306

Evidence from Southern Ocean sediments for the effect of North Atlantic deep-water flux on climate, *Article*, (Charles, C D, Fairbanks, R G) **355,** 416

Global change: US research could lose lustre, *News*, (Mervis, J) **355,** 578

Climate cycles. Seawater Sr isotope variation over the past 300 kyr and influence of global climate cycles, *Letter to Nature*, (Dia, A N, Cohen, A S, O'Nions, R K, Shackleton, N J) **356,** 786

Oscillating global temperature, *Scientific correspondence*, (Tsonis, A A, Elsner, J B) **356,** 751

Temperature oscillations, *Scientific correspondence*, (Allen, M R, Read, P L, Smith, L A) **359,** 679

Upset for Milankovitch theory, *News and views*, (Broecker, W S) **359,** 779

Climate feedbacks. Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data, *Letter to Nature*, (Fu, R, Del Genio, A D, Rossow, W B, Liu, W T) **358,** 394

Climate feedbacks: An air-conditioned greenhouse, *News and views*, (Stephens, G, Slingo, T) **358,** 369

Effects of boreal forest vegetation on global climate, *Letter to Nature*, (Bonan, G B, Pollard, D, Thompson, S L) **359,** 716

Climate forcing. Irregular oscillations of the West Antarctic ice sheet, *Article*, (MacAyeal, D R) **359,** 29

Solar cycle length, greenhouse forcing and global climate, *Letter to Nature*, (Kelly, P M, Wigley, T M L) **360,** 328

Implications for global warming of intercycle solar irradiance variations, *Letter to Nature*, (Schlesinger, M E, Ramankutty, N) **360,** 330

Tectonic forcing of late Cenozoic climate, *Review article*, (Raymo, M E, Ruddiman, W F) **359,** 117

Global warming: Keeping the Sun in proportion, *News and views*, (Lacis, A A, Carlson, B E) **360,** 297

Sensitivity of the Indian monsoon to forcing parameters and implications for its evolution, *Article*, (Prell, W L, Kutzbach, J E) **360,** 647

Climate research. Climate satellites: Another hole in ozone data?, *News*, (Swinbanks, D, Anderson, C) **356,** 99

Palaeoclimatology: Merely the tip of the ice core, *News and views*, (Peel, D) **359,** 274

Irregular glacial interstadials recorded in a new Greenland ice core, *Letter to Nature*, (Johnsen, S J, Clausen, H B, Dansgaard, W, Fuhrer, K, Gundestrup, N, Hammer, C U, Iversen, P, Jouzel, J, Stauffer, B, Steffensen, J P) **359,** 311

Climate. Physics of climate, *Book review by* Wallace, J M. **360,** 220

Climatology, fire. Fashioned by fire, *News and views*, (Pease, R) **357,** 115

Climatology. Molecular record of secular sea surface temperature changes on 100-year timescales for glacial terminations I, II and IV, *Letter to Nature*, (Eglinton, G, Bradshaw, S A, Rosell, A, Sarnthein, M, Pflaumann, U, Tiedemann, R) **356,** 423

Climatology: Molecules record sea change, *News and views*, (Lyle, M) **356,** 385

Climate: Predicting El Niño events, *News and views*, (Ropelewski, C F) **356,** 476

Oscillating global temperature, *Scientific correspondence*, (Tsonis, A A, Elsner, J B) **356,** 751

Response of alluvial systems to fire and climate change in Yellowstone National Park, *Letter to Nature*, (Meyer, G A, Wells, S G, Balling, R C, Jull, A J T) **357,** 147

Palaeo-CO_2 and climate, *Scientific correspondence*, (Berner, R A) **358,** 114

Effects of boreal forest vegetation on global climate, *Letter to Nature*, (Bonan, G B, Pollard, D, Thompson, S L) **359,** 716

Temperature oscillations, *Scientific correspondence*, (Allen, M R, Read, P L, Smith, L A) **359,** 679

Temperature time-series?, *Scientific correspondence*, (Allen, M R, Read, P L, Smith, L A) **355,** 686

When climate and life devolve, *News and views*, (Volk, T) **360,** 707

Clinical research. Clinical research damaged by UK health service reforms, *News*, (Mundell, I) **357,** 617

Austrian system squeezes out young clinical researchers, *News*, (Abbott, A) **357,** 104

The crisis in clinical research: Over-coming institutional obstacles, *Book review by* Petersdorf, R G. **358,** 722

Clinical trials. Drug policy: FDA panel backs interleukin-2, *News*, (Culliton, B J) **355,** 287

Drug development: Drugs tested for women, *News*, (Gershon, D) **355,** 287

Close packing. Geometry: Another harmony of the spheres, *News and views*, (Max, N) **355,** 115

Clouds, greenhouse effect. Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data, *Letter to Nature*, (Fu, R, Del Genio, A D, Rossow, W B, Liu, W T) **358,** 394

Cluster science. Journal of cluster science, *Journal review*, (Cahn, R W, Adams, R D, Russell, D H, Teo, B K) **359,** 456

Intercalation of sodium heteroclusters into the C_{60} lattice, *Letter to Nature*, (Yildirim, T, Zhou, O, Fischer, J E, Bykovetz, N, Strongin, R A, Cichy, M A, Smith, A B III, Lin, C L, Jelinek, R) **360,** 568

Clusters: Just a fraction of a moment, *News and views*, (Stace, T) **360,** 537

Clusters, self assembly. Crystal clusters, *Scientific correspondence*, (Cahn, R W) **355,** 213

CNRS. French research: A speeded-up plan to spread the wealth, *News*, (Bakewell, D) **356,** 373

Coal gasification. Amino acids from coal gasification?, *Scientific correspondence*, (Olson, E S) **357,** 202

Coal, fullerenes. C_{60} separation on coal, *Scientific correspondence*, (Wilson, M A, Pang, L S K, Vassallo, A M) **355,** 117

Coastal erosion. Save the beaches, not the buildings, *News and views*, (Culliton, B J) **357,** 535

Coastal erosion and insurance, *Correspondence*, (Flanagan, D, Smith, A W S) **359,** 356

Coat proteins. *SEC21* is a gene required for ER to Golgi protein transport that encodes a subunit of a yeast coatomer, *Letter to Nature*, (Hosobuchi, M, Kreis, T, Schekman, R) **360,** 603

Coccoliths. Crystal assembly and phylogenetic evolution in heterococcoliths, *Letter to Nature*, (Young, J R, Didymus, J M, Bown, P R, Prins, B, Mann, S) **356,** 516

Coelacanths. Coelacanth fins and evolution, *Scientific correspondence*, (Ahlberg, P E) **358,** 459

Coelacanth tissue bank, *Correspondence*, (Fricke, H) **357,** 105

Coevolution. Gene-for-gene coevolution between plants and parasites, *Review article*, (Thompson, J N, Burdon, J J) **360,** 121

Cognitive science. Consciousness explained, *Book review by* Shallice, T. **356,** 26

Neural subsystems for object knowledge, *Letter to Nature*, (Hart Jr, J, Gordon, B) **359,** 60

Intelligence and development: A cognitive theory, *Book review by* Deary, I J. **359,** 28

Animal minds, *Book review by* Whiten, A. **360,** 118

Minds and machines: Journal for artificial intelligence, philosophy, and cognitive science, *Journal review*, (Fox, J, Fetzer, J H) **359,** 462

Cold dark matter. The end of cold dark matter?, *Review article*, (Davis, M, Efstathiou, G, Frenk, C S, White, S D M) **356,** 489

Cosmology: Cold dark matter under a cloud, *News and views*, (Binney, J) **358,** 104

Large-scale structure in a universe with mixed hot and cold dark matter, *Letter to Nature*, (Davis, M, Summers, F J, Schlegel, D) **359,** 393

Cosmology: Fresh light on dark ages, *News and views*, (Peacock, J) **355,** 203

Cosmology: Radiation treatment for CDM, *News and views*, (Hogan, C J) **355,** 585

Cold fusion, Japan. MITI prepares to fund cold fusion by another name, *News*, (Swinbanks, D) **358,** 268

Cold fusion. Cold fusion: The scientific fiasco of the century, *Book review by* Close, F. **358,** 291

Lab death blamed on gas build-up, *News*, (Lindley, D) **357,** 620

Out, out brief candle.., *Commentary*, (Lindley, D) **357,** 635

Cold fusion produces heat but no papers, *News*, (Swinbanks, D) **359,** 765

Scientists deny alleged support of company's 'new nuclear science', *News*, (Watson, T) **358,** 616

Cold fusion: Explosion kills one, *News*, (Anderson, C) **355,** 102

Cold Spring Harbor Laboratory. Houses for science: A pictorial history of Cold Spring Harbor Laboratory, *Book review by* Galloway, J W. **356,** 628

Coley's toxins. Coley's toxins in perspective, *Commentary*, (Starnes, C O) **357,** 11

Tumours and Coley's toxins, *Scientific correspondence*, (Rook, G) **357,** 545

Coley's vaccine and TNF therapy, *Scientific correspondence*, (Brouckaert, P G G, Fiers, W, Lejeune, F J) **358,** 630

Collaboration. Japan wants global guidelines for joint research projects, *News*, (Swinbanks, D, Mervis, J, Abbott, A) **360,** 5

Collaborative research. Intelligent manufacturing: 'Big three' test the waters, *News*, (Aldhous, P, Swinbanks, D) **355,** 755

Collagenases. Structure of astacin and implications for activation of astacins and zinc-ligation of collagenases, *Letter to Nature*, (Bode, W, Gomis-Rüth, F X, Huber, R, Zwilling, R, Stöcker, W) **358,** 164

Collision complexes. Reaction dynamics: Collision complexes clocked in real time, *News and views*, (Grice, R) **359,** 584

Colloids, oceanic. Short residence time of colloids in the upper ocean estimated from ^{238}U-^{234}Th disequilibria, *Letter to Nature*, (Moran, S B, Buesseler, K O) **359,** 221

Colony-stimulating factors. GM-CSF and TNF-α cooperate in the generation of dendritic Langerhans cells, *Letter to Nature*, (Caux, C, Dezutter-Dambuyant, C, Schmitt, D, Banchereau, J) **360,** 258

Colorectal tumorigenesis. APC mutations, *Scientific correspondence*, (Gordon, A) **358,** 288

APC mutations occur early during colorectal tumorigenesis, *Letter to Nature*, (Powell, S M, Zilz, N, Beazer-Barclay, Y, Bryan, T M, Hamilton, S R, Thibodeau, S N, Vogelstein, B, Kinzler, K W) **359,** 235

Colour vision. Polymorphism in red photopigment underlies variation in colour matching, *Letter to Nature*, (Winderickx, J, Lindsey, D T, Sanocki, E, Teller, D Y, Motulsky, A G, Deeb, S S) **356,** 431

Absorption spectra of human cone pigments, *Letter to Nature*, (Merbs, S L, Nathans, J) **356,** 433

Spatial structure of cone inputs to receptive fields in primate lateral geniculate nucleus, *Letter to Nature*, (Reid, R C, Shapley, R M) **356,** 716

Colour vision: Worlds of difference, *News and views*, (Mollon, J) **356,** 378

Seeing red, *News and views*, **355,** 22

Colour. Paul Signac and color in neo-impressionism, *Book review by* Mollon, J D. **358,** 379

Columbus, Christopher. Copernican Columbus?, *Opinion*, **359,** 564

Combustion, spontaneous human. Spontaneous human combustion, *Book review by* Gardner, M. **360,** 396

Comets. Possible cometary origin of heavy noble gases in the atmospheres of Venus, Earth and Mars, *Letter to Nature*, (Owen, T, Bar-Nun, A, Kleinfeld, I) **358,** 43

Cometary joke, *Scientific correspondence*, (Weissman, P R) **358,** 460

Dust from short-period comet P/Schwassmann-Wachmann 1 and replenishment of the interplanetary dust cloud, *Letter to Nature*, (Fulle, M) **359,** 42

CHON as a component of dust from comet Halley, *Letter to Nature*, (Lawler, M E, Brownlee, D E) **359,** 810

A long shot at the Kuiper belt, *News and views*, (Pease, R) **359,** 673

Rendezvous in space: The science of comets, *Book review by* Hughes, D W. **359,** 115

Beyond the fringe, *News and views*, **359,** 275

Deflection and fragmentation of near-Earth asteroids, *Review article*, (Ahrens, T J, Harris, A W) **360,** 429

Endogenous production, exogenous delivery and impact-shock synthesis of organic molecules: an inventory for the origins of life, *Review article*, (Chyba, C, Sagan, C) **355,** 125

Earth saved from disaster, *News and views*, (Lindley, D) **360,** 623

Comment. What promises are there for 1992?, *News and views*, (Maddox, J) **355,** 15

Communications. Canada calling, *Correspondence*, (Bratzel jr, M P) **355,** 292

Communities. Evolutionary games and spatial chaos, *Letter to Nature*, (Nowak, M A, May, R M) **359,** 826

On prisoners and cells, *News and views*, (Sigmund, K) **359,** 774

Composite materials. Advanced composite materials: The official journal of the Japan society of composite materials, *Journal review*, (Cahn, R W, Miyairi, H) **359,** 456

Composites engineering, *Journal review*, (Cahn, R W, Hui, D) **359,** 456

Compositional convection. Melt dynamics: Convection brought to a focus, *News and views*, (Loper, D) **359,** 364

The planform of compositional convection and chimney formation in a mushy layer, *Letter to Nature*, (Tait, S, Jahrling, K, Jaupart, C) **359,** 406

Compton Gamma Ray Observatory. Evidence for sub-millisecond structure in a γ-ray burst, *Letter to Nature*, (Bhat, P N, Fishman, G J, Meegan, C A, Wilson, R B, Brock, M N, Paciesas, W S) **359,** 217

Astronomy: A different kind of Universe, *News and views*, (Bignami, G F) **360,** 416

Compton Observatory: Gamma-ray power from 3C279, *News and views*, (Bignami, G F) **355,** 299

Computational methods. Numerical methods: Warning - handle with care!, *News and views*, (Stewart, I) **355,** 16

Computer industry. Wang goes bust, *Opinion*, **358,** 698

Computer modelling. ECOs estuarine contaminant simulator, *Book review by* Varney, M. **355,** 122

A molecular water pump in quartz dislocations, *Letter to Nature*, (Heggie, M I) **355,** 337

Computer viruses. Retroviral Michelangelo, *Opinion*, **356,** 92

Computers. Spectroscopy: Molecular computer memory, *News and views*, (Haarer, D) **355,** 297

Japan stubs its toes on fifth-generation computer, *News*, (Swinbanks, D, Anderson, C) **356,** 273

Talking about a new generation, *News*, (Swinbanks, D) **356,** 274

Computer networks: Japanese debate more or better links, *News*, (Swinbanks, D) **356,** 550

Who pulled the plug?, *News*, (Swinbanks, D) **356,** 551

Computer networks: NSF pays price for success, *News*, (Anderson, C) **356,** 551

US astronomers compute an answer, *News*, (Mervis, J) **356,** 733

Computer network rumours prove hard to kill, *News*, (Anderson, C) **357,** 528

Fifth generation project lives on, *News*, (Swinbanks, D) **357,** 619

Collaboration vetoed, *News*, (Anderson, C) **356,** 273

Neural Networks for Perception. Vol. 1: Human and Machine Perception. Vol.2: Computation, Learning and Architectures, *Book review by* Sejnowski, T. **360,** 27

Hard drive: Bill Gates and the making of the Microsoft empire, *Book review by* Oakley, B. **359,** 25

New head of NEC research institute in US hopes to change our view of computers, *News*, (Corcoran, E) **360,** 97

Foundations of computer science, *Book review by* Campbell, J A. **359,** 206

Correction: Hard drive: Bill Gates and the making of the microsoft empire, *Book review by* Oakley, B. **359,** 282

Reshuffling of funding councils jeopardizes plans for UK academic computer network, *News*, (Mundell, I) **359,** 468

Japanese computing: Computing in the real world, *News*, (Swinbanks, D, Abbott, A, Mundell, I) **356,** 734

Computer policy: NIH wasted millions on computers, *News* (Culliton, B J.) **355,** 194

Conducting polymers. Flexible light-emitting diodes made from soluble conducting polymers, *Letter to Nature*, (Gustafsson, G, Cao, Y, Treacy, G M, Klavetter, F, Colaneri, N, Heeger, A J) **357,** 477

Conflicts of interest. Conflict of interest revisited, *Opinion*, **355,** 751

Conflict concerns disrupt panels, cloud testimony, *News*, (Anderson, C) **355,** 753

Coincidence or conspiracy?, *News*, (Anderson, C) **355,** 753

NSF, NIH differ on reporting conflicts, *News*, (Anderson, C) **359,** 765

University scientists to be investigated for conflicts of interest, *News*, (Watson, T) **358,** 614

NSF's proposed conflict-of-interest rules place burden on applicant and institution, *News*, (Anderson, C) **358,** 700

Conflicts of interest declared, *News and views*, (Maddox, J) **360,** 205

Congenital nephrogenic diabetes insipidus. Molecular identification of the gene responsible for congenital nephrogenic diabetes insipidus, *Letter to Nature*, (Rosenthal, W, Seibold, A, Antaramian, A, Lonergan, M, Arthus, M-F, Hendy, G N, Birnbaumer, M, Bichet, D G) **359,** 233

Conodonts. Blade-shaped conodont elements functioned as cutting teeth, *Letter to Nature*, (Purnell, M A, von Bitter, P H) **359,** 629

Consciousness. Thinking physics, *Correspondence*, (Marshall, I N) **360,** 9

Consciousness explained, *Book review by* Shallice, T. **356,** 26

Consciousness on the scientific agenda, *News and views*, (Gray, J) **358,** 277

Consciousness, *Correspondence*, (Fletcher, H L) **359,** 665

Defining consciousness, *Correspondence*, (Josephson, B D, Rubik, B A, Fontana, D, Lorimer, D, Sacks, O) **358,** 618

A history of the mind: evolution and the birth of consciousness, *Book review by* Longuet-Higgins, C. **360,** 117

The strange, familiar and forgotten: An anatomy of consciousness, *Book review by* Longuet-Higgins, C. **360,** 117

Animal minds, *Book review by* Whiten, A. **360,** 118

Correction: Defining consciousness, *Correspondence*, (Josephson, B D, Rubik, B A, Fontana, D, Lorimer, D) **359,** 472

The rediscovery of the mind, *Book review by* Sutherland, S. **360,** 394

Bright air, brilliant fire: On the matter of the mind, *Book review by* Rose, S. **360,** 426

Conservation. Impaled prey, *Scientific correspondence*, (Gillespie, R G) **355,** 212

Conservation meeting: Critics urge reform of CITES endangered list, *News*, (Aldhous, P) **355,** 758

If biological diversity has a price, who sets it and who should benefit?, *News*, (Gershon, D) **359,** 565

Conservation Biology: The Theory and Practice of Nature Conservation, Preservation and Management, *Book review by* Tudge, C. **359,** 683

Wildlife Research and Management in the National Parks, *Book review by* Tudge, C. **359,** 683

Conservation: Red tape delays funds for Amazonia, *News*, (Bonalume, R) **356,** 7

African conservation: Ways to make the West pay, *News*, (Stevens, J) **356,** 8

Botswana needs science help to save plant and animal species, *News*, (Mundell, I) **357,** 184

Endangered species and the law, *Commentary*, (Geist, V) **357,** 274

'alala live on in Hawaiian forest, *News and views*, (Culliton, B J) **357,** 277

Science panel's report could end whaling ban, *News*, (Mundell, I, Swinbanks, D) **357,** 350

Science and sentimentality, *Commentary*, (Butterworth, D S) **357,** 532

Scientific panel continues work on whaling ban, *News*, (Mundell, I) **358,** 99

Bear conservation genetics, *Scientific correspondence*, (Taberlet, P, Bouvet, J) **358,** 197

Conservation of biodiversity for sustainable development, *Book review by* Myers, N. **358,** 200

The objective case for conservation, *News and views*, (Gee, H) **357,** 639

The bats of Texas, *Book review by* Hutson, A M. **357,** 123

The balance of nature? Ecological issues in the conservation of species and communities, *Book review by* Perrins, C M. **357,** 124

Misrepresenting paradise, *Scientific correspondence*, (England, J) **357,** 368

Sheep count, *Correspondence*, (Davidson, I) **358,** 705

Academy says US national parks need more research, *News*, (Anderson, C) **359,** 7

The case for conservation, *Correspondence*, (Leavitt, F J) **360,** 100

Continental drift. Continental drift, *Correspondence*, (Falck, W E) **355,** 668

Continental tectonics. Formation of an Archaean continent, *Review article*, (de Wit, M J, Roering, C, Hart, R J, Armstrong, R A, de Ronde, C E J, Green, R W E, Tredoux, M, Peberdy, E, Hart, R A) **357,** 553

Mineral deposits: Continents ring the changes, *News and views*, (Kerrich, R) **358,** 16

Intraplate not always stable, *Scientific correspondence*, (Johnston, A C) **355,** 213

Contraception. Marie Stopes and the sexual revolution, *Book review by* Davenport-Hines, R. **360,** 381

Convection. Cellular convection in the atmosphere of Venus, *Letter to Nature*, (Baker, R D, Schubert, G) **355,** 710

Melt dynamics: Convection brought to a focus, *News and views*, (Loper, D) **359,** 364

Atmospheric cellular convection, *Scientific correspondence*, (Scorer, R S, Baker, R D II, Schubert, G) **359,** 370

The planform of compositional convection and chimney formation in a mushy layer, *Letter to Nature*, (Tait, S, Jahrling, K, Jaupart, C) **359,** 406

Cooksonia. A vascular conducting strand in the early land plant *Cooksonia*, *Letter to Nature*, (Edwards, D, Davies, K L, Axe, L) **357,** 683

Palaeobotany: Vascular pipe dreams, *News and views*, (Hemsley, A R) **357,** 641

Cooperation, evolution of. Tit for tat in heterogeneous populations, *Letter to Nature*, (Nowak, M A, Sigmund, K) **355,** 250

Cooperative breeding. Importance of habitat saturation and territory quality for evolution of cooperative breeding in the Seychelles warbler, *Letter to Nature*, (Komdeur, J) **358,** 493; *Erratum*, **360,** 768

Coral records. Interference imaging of daily growth bands in massive corals, *Letter to Nature*, (Risk, M J, Pearce, T H) **358,** 572

Coral reefs. The ecology of fishes on coral reefs, *Book review by* Petersen, C W. **357,** 551

Core, Earth. Analytical model for solidification of the Earth's core, *Letter to Nature*, (Buffett, B A, Huppert, H E, Lister, J R, Woods, A W) **356,** 329

Polar path in geomagnetic reversals, *Miscellany*, (Runcorn, S K) **356,** 654

A sharp and flat section of the core-mantle boundary, *Letter to Nature*, (Vidale, J E, Benz, H M) **359,** 627

Core-mantle boundary. Earth sciences: The Earth's core in a nutshell, *News and views*, (Jacobs, J A) **356,** 286

Core-mantle coupling. Changes in Earth rotation rate, *Scientific correspondence*, (Le Mouël, J L, Courtillot, V, Jault, D) **355,** 26

Coronary heart disease. Myocardial infarction: The ACE of hearts, *News and views*, (Kurtz, T W) **359,** 588

Deletion polymorphism in the gene for angiotensin-converting enzyme is a potent risk factor for myocardial infarction, *Letter to Nature*, (Cambien, F, Poirier, O, Lecerf, L, Evans, A, Cambou, J-P, Arveiler, D, Luc, G, Bard, J-M, Bara, L, Ricard, S, Tiret, L, Amouyel, P, Alhenc-Gelas, F, Soubrier, F) **359,** 641

Coronaviruses. Aminopeptidase N is a major receptor for the enteropathogenic coronavirus TGEV, *Letter to Nature*, (Delmas, B, Gelfi, J, L'Haridon, R, Vogel, L K, Sjöström, H, Norén, O, Laude, H) **357,** 417

Human aminopeptidase N is a receptor for human coronavirus 229E, *Letter to Nature*, (Yeager, C L, Ashmun, R A, Williams, R K, Cardellichio, C B, Shapiro, L H, Look, A T, Holmes, K V) **357,** 420

Correspondence principle. Quantum chaos, *Review article*, (Jensen, R V) **355,** 311

Cosmic Background Explorer. Cosmology back to the beginning, *News and views*, (Silk, J) **356,** 741

Evidence for some hot dark matter?, *Scientific correspondence*, (Schaefer, R K, Shafi, Q) **359,** 199

Cosmic microwave background. Big Bang brouhaha, *Opinion*, **356,** 731

Cosmology back to the beginning, *News and views*, (Silk, J) **356,** 741

Big Bang contd..., *Scientific correspondence*, (Arp, H C, Burbidge, G, Hoyle, F, Narlikar, J V) **357,** 287

Big Bang contd..: reply, *Scientific correspondence*, (Peebles, P J E, Turner, E C, Schramm, D N, Kron, R G) **357,** 288

Anisotropy measurements of the cosmic microwave background radiation at intermediate angular scales, *Article*, (Watson, R A, Gutierrez de la Cruz, C M, Davies, R D, Lasenby, A N, Rebolo, R, Beckman, J E, Hancock, S) **357,** 660

Cosmic microwave background, *Scientific correspondence*, (Wickramasinghe, N C) **358,** 547

New for old, *News and views*, **359,** 672

Evidence for some hot dark matter?, *Scientific correspondence*, (Schaefer, R K, Shafi, Q) **359,** 199

Cosmic rays. The origin of high-energy cosmic rays, *Letter to Nature*, (Bryant, D A, Powell, G I, Perry, C H) **356,** 582

Cosmic rays: A boost for high flyers, *News and views*, (Zank, G) **356,** 564

High-energy cosmic-ray origin, *Scientific correspondence*, (Chi, X, Dahanayake, C, Wdowczyk, J, Wolfendale, A W, Ball, L, Melrose, D, Norman, C, Bryant, D A, Powell, G I, Perry, C H) **359,** 23

Astrophysical ^{7}Li as a product of Big Bang nucleosynthesis and galactic cosmic-ray spallation, *Letter to Nature*, (Olive, K A, Schramm, D N) **360,** 439

Cosmic strings. Gravitation: Time travel on a string, *News and views*, (Allen, B, Simon, J) **357,** 19

Time machine from dust, *Scientific correspondence*, (Bonnor, W B) **358,** 288

Cosmochemistry. Is beryllium in metal-poor stars of galactic or cosmological origin?, *Article*, (Gilmore, G, Gustafsson, B, Edvardsson, B, Nissen, P E) **357,** 379

Cosmology. The hidden universe, *Book review by* Schramm, D N. **356,** 298

The mind of God: The scientific basis for a rational world, *Book review by* Price, H. **356,** 632

The matter myth: Dramatic discoveries that challenge our understanding of physical reality, *Book review by* Price, H. **356,** 632

The capricious cosmos: Universe beyond law, *Book review by* Price, H. **356,** 632

Not so Great Attractor?, *News and views*, (Lindley, D) **356,** 657

Big Bang contd..., *Scientific correspondence*, (Arp, H C, Burbidge, G, Hoyle, F, Narlikar, J V) **357,** 287

Big Bang contd..: reply, *Scientific correspondence*, (Peebles, P J E, Turner, E C, Schramm, D N, Kron, R G) **357,** 288

Millisecond pulsars with extremely strong magnetic fields as a cosmological source of gamma-ray bursts, *Letter to Nature*, (Usov, V V) **357,** 472

Were small galaxies once the dominant cosmological population: Correction, *Letter to Nature*, (Cowie, L L, Songalia, A, Hu, E M) **357,** 607

Cosmology: Cold dark matter under a cloud, *News and views*, (Binney, J) **358,** 104

Messing around with gravity, *News and views*, (Lindley, D) **359,** 583

Cosmic undoing, *News and views*, **359,** 275

Large-scale structure in a universe with mixed hot and cold dark matter, *Letter to Nature*, (Davis, M, Summers, F J, Schlegel, D) **359,** 393

The spectrum of cosmological density fluctuations and nature of dark matter, *Letter to Nature*, (Taylor, A N, Rowan-Robinson, M) **359,** 396

My universe: Selected reviews, *Book review by* Silk, J. **359,** 490

A distant candle, *News and views*, (Lindley, D) **360,** 413

The natural history of the Universe, *Book review by* Silk, J. **355,** 407

Ancient light: Our changing view of the Universe, *Book review by* Silk, J. **355,** 407

Cosmology: Fresh light on dark ages, *News and views*, (Peacock, J) **355,** 203

Cosmology: Radiation treatment for CDM, *News and views*, (Hogan, C J) **355,** 585

Faint galaxies: evolution and cosmological curvature, *Letter to Nature*, (Broadhurst, T J, Ellis, R S, Glazebrook, K) **355,** 55

Costa Rica, conservation. If biological diversity has a price, who sets it and who should benefit?, *News*, (Gershon, D) **359,** 565

Coulomb blockade. Singular work, *News and views*, **355,** 398

Counterfeit drugs. Drug piracy: Combating counterfeit drugs, *News*, (Land, T) **355,** 192

Cowpea mosaic virus. Identification of a Fab interaction footprint site on an icosahedral virus by cryoelectron microscopy and X-ray crystallography, *Letter to Nature*, (Wang, G, Porta, C, Chen, Z, Baker, T S, Johnson, J E) **355,** 275

Crab nebula. Evidence for single-temperature dust in the Crab nebula from a reanalysis of its infrared spectrum, *Letter to Nature*, (Strom, R G, Greidanus, H) **358,** 654

Cray Research. Cray claims foul play in Japan, *News*, (Swinbanks, D) **358,** 265

Cretaceous-Tertiary boundary. Wash out, *News and views*, **355,** 774

Plants at the K/T boundary, *Scientific correspondence*, (Nichols, D J, Hickey, L J, McWeeney, L J) **356,** 295

Plants at the K/T boundary: Reply, *Scientific correspondence*, (Wolfe, J A) **356,** 296

Planetary geology: Killer acid at the K/T boundary, *News and views*, (McKinnon, W B) **357,** 15

Diamond source, *Scientific correspondence*, (Wright, I P) **358,** 198

Staying alive, *News and views*, **358,** 538

New links between the Chicxulub impact structure and the Cretaceous/Tertiary boundary, *Letter to Nature*, (Sharpton, V L, Dalrymple, G B, Ryder, G, Schuraytz, B C, Urrutia-Fucugauchi, J, Marín, L E) **359,** 819

Diamonds at the K/T boundary, *Scientific correspondence*, (Carlisle, D B) **357,** 119

Marine isotope evolution, *Scientific correspondence*, (Ward, P D, Nelson, B K, MacLeod, K G) **358,** 378

Strontium isotopes at K/T boundary, *Scientific correspondence*, (McArthur, J M, Burnett, J, Hancock, J M) **355,** 28

Creutzfeld-Jakob disease. Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein, *Article*, (Büeler, H, Fischer, M, Lang, Y, Bluëthmann, H, Lipp, H-P, DeArmond, S J, Prusiner, S B, Aguet, M, Weissmann, C) **356,** 577

Crime, and genetics. NIH, under fire, freezes grant for conference on genetics and crime, *News*, (Anderson, C) **358,** 357

Genetic influence, *Correspondence*, (Wasserman, D) **359,** 266

Critical currents. High-quality superconducting thin films of $Bi_2Sr_2Ca_1Cu_2O_x$ grown *in situ* by metalorganic CVD, *Letter to Nature*, (Endo, K, Yamasaki, H, Misawa, S, Yoshida, S, Kajimura, K) **355,** 327

Croatia. Nikola Tesla, *Correspondence*, (Kovach, Y) **355,** 292

Crumpling, membranes. Crumpled and collapsed conformations in graphite oxide membranes, *Letter to Nature*, (Wen, X, Garland, C W, Hwa, T, Kardar, M, Kokufuta, E, Li, Y, Orkisz, M, Tanaka, T) **355,** 426

Crust, Earth. Geochemistry: Tracing great fluid migrations, *News and views*, (Sverjensky, D A, Garven, G) **356,** 481

Proterozoic crustal extension and the generation of dome-and-keel structure in an Archaean granite-greenstone terrane, *Letter to Nature*, (Marshak, S, Alkmim, F F, Jordt-Evangelista, H) **357,** 491

Crustal control of ridge segmentation inferred from observations of the Reykjanes Ridge, *Letter to Nature*, (Bell, R E, Buck, W R) **357,** 583

Grain-boundary graphite in Kapuskasing gneisses and implications for lower-crustal conductivity, *Letter to Nature*, (Mareschal, M, Fyfe, W S, Percival, J, Chan, T) **357,** 674

Evidence from ultra-high-pressure marbles for recycling of sediments into the mantle, *Letter to Nature*, (Becker, H, Altherr, R) **358,** 745

Crustal recycling: Surviving subduction, *News and views*, (White, W M) **358,** 714

Electrical conductivity of carbon-bearing granulite at raised temperatures and pressures, *Letter to Nature*, (Glover, P W J, Vine, F J) **360,** 725

Evidence from coupled ^{147}Sm-^{143}Nd and ^{146}Sm-^{142}Nd systematics for very early (4.5-Gyr) differentiation of the Earth's mantle, *Letter to Nature*, (Harper, C L Jr, Jacobsen, S B) **360,** 730

Deep heat, *News and views*, **355,** 302

Cryoelectron microscopy. Identification of a Fab interaction footprint site on an icosahedral virus by cryoelectron microscopy and X-ray crystallography, *Letter to Nature*, (Wang, G, Porta, C, Chen, Z, Baker, T S, Johnson, J E) **355,** 275

Cryptography. Cryptography: Beating the code breakers, *News and views*, (Ekert, A) **358,** 14

Crystal growth. Rough-flat-rough transition of crystal surfaces, *Letter to Nature*, (Liu, X-Y, Bennema, P, van der Eerden, J P) **356,** 778

Experimentally produced oscillatory zoning in the $(Ba,Sr)SO_4$ solid solution, *Letter to Nature*, (Putnis, A, Fernandez-Diaz, L, Prieto, M) **358,** 743

Crystal faces, *Scientific correspondence*, (Klemm, A) **357,** 120

Ice-crystal growth and lectins, *Scientific correspondence*, (Rubinsky, B, Coger, R, Ewart, K V, Fletcher, G L) **360,** 113

Crystal clusters, *Scientific correspondence*, (Cahn, R W) **355,** 213

Crystal structure. Structural basis of blue-colour development in flower petals from *Commelina communis*, *Letter to Nature*, (Kondo, T, Yoshida, K, Nakagawa, A, Kawai, T, Tamura, H, Goto, T) **358,** 515

Free *R* value: a novel statistical quantity for assessing the accuracy of crystal structures, *Letter to Nature*, (Brünger, A T) **355,** 472

Crystallization. Crystallization by centrifugation, *Scientific correspondence*, (Abad-Zapatero, C) **356,** 392

Crystallization by centrifugation (Reply), *Scientific correspondence*, (Pitts, J E) **356,** 392

White dwarfs as quantum crystals, *Letter to Nature*, (Chabrier, G, Ashcroft, N W, DeWitt, H E) **360,** 48

Astronomy: Stars at the quantum limit, *News and views*, (Joss, P C) **360,** 15

Crystallization by centrifugation, *Scientific correspondence*, (Pitts, J E) **355,** 117

Crystallography. Crystallography: Copernican revolution declared, *News and views*, (Mackay, A L) **356,** 566

Macromolecular crystallography with synchrotron radiation, *Book review by* Milier, A. **357,** 454

Structure of a C-type mannose-binding protein complexed with an oligosaccharide, *Article*, (Weis, W I, Drickamer, K, Hendrickson, W A) **360,** 127

Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle, *Letter to Nature*, (Guo, H-C, Jardetzky, T S, Garrett, T P J, Lane, W S, Strominger, J L, Wiley, D C) **360,** 364

Atomic structure of a human MHC molecule presenting an influenza virus peptide, *Letter to Nature*, (Silver, M L, Guo, H-C, Stominger, J L, Wiley, D C) **360,** 367

The three-dimensional structure of an intact monoclonal antibody for canine lymphoma, *Letter to Nature*, (Harris, L J, Larson, S B, Hasel, K W, Day, J, Greenwood, A, McPherson, A) **360,** 369

Mir for the crystallographers' money, *Commentary*, (Stoddard, B L, Strong, R K, Arrott, A, Farber, G K) **360,** 293

Immunology: Deconstructing the MHC, *News and views*, (Parham, P) **360,** 300

Jury returns on structure prediction, *Scientific correspondence*, (Rost, B, Sander, C) **360,** 540

Lattice structure of the fullerene ferromagnet $TDAE\text{-}C_{60}$, *Letter to Nature*, (Stephens, P W, Cox, D, Lauher, J W, Mihaly, L, Wiley, J B, Allemand, P-M, Hirsch, A, Holczer, K, Li, Q, Thompson, J D, Wudl, F) **355,** 331

Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking, *Article*, (Dong, W, Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) **355,** 605

CSIRO. Australia: Woman to head CSIRO, *News*, (Lawson, M) **355,** 9

Cuba, human rights. Human rights in Cuba, *Correspondence*, (Lago, A J) **356,** 470

Cure, disease. Disease-of-the-month alive and well, *News and views*, (Culliton, B J) **360,** 13

cut7 protein. Kinesin-related cut7 protein associates with mitotic and meiotic spindles in fission yeast, *Letter to Nature*, (Hagan, I, Yanagida, M) **356,** 74

Cutinase structure. *Fusarium solani* cutinase is a lipolytic enzyme with a catalytic serine accessible to solvent, *Letter to Nature*, (Martinez, C, De Geus, P, Lauwereys, M, Matthyssens, G, Cambillau, C) **356,** 615

Cyanobacteria. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes, *Letter to Nature*, (Palenik, B, Haselkorn, R) **355,** 265

Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation, *Letter to Nature*, (Urbach, E, Robertson, D L, Chisholm, S W) **355,** 267

Cyanobacteria. Fatal attraction to cyanobacteria?, *Scientific correspondence*, (Codd, G A, Edwards, C, Beattle, K A, Barr, W M, Gunn, G J) **359,** 110

Cybernetics. The Cybernetics group, *Book review by* Michie, D. **356,** 117

Cyclic AMP-responsive element modulator. Developmental switch of CREM function during spermatogenesis: from antagonist to activator, *Letter to Nature*, (Foulkes, N S, Mellström, B, Benusiglio, E, Sassone-Corsi, P) **355,** 80

Cyclic AMP. Hormonal stimulation of adenylyl cyclase through G_s-protein βγ subunits, *Letter to Nature*, (Federman, A D, Conklin, B R, Schrader, K A, Reed, R R, Bourne, H R) **356,** 159

Mutation of protein kinase A causes heterochronic development of *Dictyostelium*, *Letter to Nature*, (Simon, M-N, Pelegrini, O, Veron, M, Kay, R R) **356,** 171

Cyclic GMP. Regulation of deactivation of photoreceptor G protein by its target enzyme and cGMP, *Letter to Nature*, (Arshavsky, V Y, Bownds, M D) **357,** 416

Cyclins. Regulation of $p34^{CDC28}$ tyrosine phosphorylation is not required for entry into mitosis in *S. cerevisiae*, *Letter to Nature*, (Amon, A, Surana, U, Muroff, I, Nasmyth, K) **355,** 368

B destructive, *News and views*, **355,** 398

Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins, *Letter to Nature*, (Nicholas, J, Cameron, K R, Honess, R W) **355,** 362

Cyclodextrins. A modified cyclodextrin as a guest responsive colour-change indicator, *Letter to Nature*, (Ueno, A, Kuwabara, T, Nakamura, A, Toda, F) **356,** 136

Cyclophilin. Catalysis steps, *Scientific correspondence*, (Stein, R L) **356,** 23

Catalysis steps: Reply, *Scientific correspondence*, (Kallen, J, Spitzfaden, C, Zurini, M G M, Wider, G, Widmer, H, Wüthrich, K, Walkinshaw, M D) **356,** 24

Cycloserine. Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine, *Letter to Nature*, (Thompson, L T, Moskal, J R, Disterhoft, J F) **359,** 638

Cyclosporin A. Catalysis steps, *Scientific correspondence*, (Stein, R L) **356,** 23

Catalysis steps: Reply, *Scientific correspondence*, (Kallen, J, Spitzfaden, C, Zurini, M G M, Wider, G, Widmer, H, Wüthrich, K, Walkinshaw, M D) **356,** 24

FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature*, (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692

Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, *Letter to Nature*, (Clipstone, N A, Crabtree, G R) **357,** 695

Cyclosporin. Calcineurin mediates inhibition by FK506 and cyclosporin of recovery from α-factor arrest in yeast, *Letter to Nature*, (Foor, F, Parent, S A, Morin, N, Dahl, A M, Ramadan, N, Chrebet, G, Bostian, K A, Nielsen, J B) **360,** 682

Cygnus X-3. Infrared helium emission lines from Cygnus X-3 suggesting a Wolf-Rayet star companion, *Letter to Nature*, (van Kerkwijk, M H, Charles, P A, Geballe, T R, King, D L, Miley, G K, Molnar, L A, van de Heuvel, E P J, van der Klis, M, van Paradijs, J) **355,** 703

Cystic fibrosis. CFTR mechanism, *Scientific correspondence*, (McPherson, M A, Dormer, R L) **356,** 113

Defective regulation of outwardly rectifying Cl⁻ channels by protein kinase A corrected by insertion of CFTR, *Letter to Nature*, (Egan, M, Flotte, T, Afione, S, Solow, R, Zeitlin, P L, Carter, B J, Guggino, W B) **358,** 581

Widespread CF testing inevitable, Congressional report finds, *News*, (Anderson, C) **358,** 529

Cystic fibrosis: Chloride channels revisited, *News and views*, (Higgins, C) **358,** 536

Processing of mutant cystic fibrosis transmembrane conductance regulator is temperature-sensitive, *Letter to Nature*, (Denning, G M, Anderson, M P, Amara, J F, Marshall, J, Smith, A E, Welsh, M J) **358,** 761

Control of CFTR chloride conductance by ATP levels through non-hydrolytic binding, *Letter to Nature*, (Quinton, P M, Reddy, M M) **360,** 79

The protein kinase A-regulated cardiac Cl⁻ channel resembles the cystic fibrosis transmembrane conductance regulator, *Letter to Nature*, (Nagel, G, Hwang, T-C, Nastiuk, K L, Nairn, A C, Gadsby, D C) **360,** 81

Cystic fibrosis: A welcome animal model, *News and views*, (Collins, F S, Wilson, J M) **358,** 708

Cystic fibrosis: Another protein out in the cold, *News and views*, (Armstrong, J) **358,** 709

Cystic fibrosis: ATP and chloride conductance, *News and views*, (Wine, J J, Silverstein, S C) **360,** 18

Cystic fibrosis: More from the modellers, *News and views*, (Wilson, J M, Collins, F S) **359,** 195

Cystic fibrosis in the mouse by targeted insertional mutagenesis, *Article*, (Dorin, J R, Dickinson, P, Alton, E W F W, Smith, S N, Geddes, D M, Stevenson, B J, Kimber, W L, Fleming, S, Clarke, A R, Hooper, M L, Anderson, L, Beddington, R S P, Porteous, D J) **359,** 211

Gene puffs, *News and views*, **360,** 420

New human gene therapy institute in Pennsylvania, *News*, (Watson, T) **360,** 501

Cytokeratin. Function of maternal cytokeratin in *Xenopus* development, *Letter to Nature*, (Torpey, N, Wylie, C C, Heasman, J) **357,** 413

Cytokines. Schistosomiasis: Parasitizing the cytokine system, *News and views*, (Sher, A) **356,** 565

Cytokines: Poking holes in the network, *News and views*, (Paul, W E) **357,** 16

Emerging cytokine family, *Scientific correspondence*, (Farrah, T, Smith, C A) **358,** 26

Blastocyst implantation depends on maternal expression of leukaemia inhibitory factor, *Letter to Nature*, (Stewart, C L, Kaspar, P, Brunet, L J, Bhatt, H, Gadi, I, Köntgen, F, Abbondanzo, S J) **359,** 76

Coley's toxins, *Scientific correspondence*, (Starnes, C O) **360,** 23

The Cytokine Handbook, *Book review by* Balkwill, F. **360,** 28

Cytokines: Can there be life without LIF?, *News and views*, (Heath, J K) **359,** 17

European cytokine network, *Journal review*, (Sewell, H F, Bertoglio, J, Fradelizi, D) **359,** 442

Cytokinesis. A new tropomyosin essential for cytokinesis in the fission yeast *S. pombe*, *Letter to Nature*, (Balasubramanian, M K, Helfman, D M, Hemmingsen, S M) **360,** 84

Cytomegalovirus. Human cytomegalovirus *UL97* open reading frame encodes a protein that phosphorylates the antiviral nucleoside analogue ganciclovir, *Letter to Nature*, (Littler, E, Stuart, A, Chee, M S) **358,** 160

A protein kinase homologue controls phosphorylation of ganciclovir in human cytomegalovirus-infected cells, *Letter to Nature*, (Sullivan, V, Talarico, C L, Stanat, S C, Davis, M, Coen, D M, Biron, K K) **358,** 162

Cytoskeleton. MARCKS is an actin filament crosslinking protein regulated by protein kinase C and calcium-calmodulin, *Letter to Nature*, (Hartwig, J H, Thelen, M, Rosen, A, Janmey, P A, Nairn, A C, Aderem, A) **356,** 618

Molecules of the cytoskeleton, *Book review by* Mitchison, T J. **357,** 32

Signal transduction: Rac and Rho in tune, *News and views*, (Downward, J) **359,** 273

Czechoslovakia. Environmental politics: The Danube: Dams over troubled waters, *News*, (Land, T) **355,** 289

Science in Czechoslovakia, *Correspondence*, (Vanek, Z) **357,** 10

Freedom does not bring money, *Correspondence*, (Bochkarev, N G, Chernin, A D, Efremov, Yu N, Samus, N N, Zasov, A V) **355,** 384

Daedalus. Daedalus: Spread the word, *News and views*, (Jones, D) **355,** 776

Daedalus: Unshellfish, *News and views*, (Jones, D) **356,** 20

Daedalus: Evil spirits, *News and views*, (Jones, D) **356,** 112

Daedalus: Cries to heaven, *News and views*, (Jones, D) **356,** 198
Daedalus: Pinched diamonds, *News and views*, (Jones, D) **356,** 292
Daedalus: A drug in a bug, *News and views*, (Jones, D) **356,** 568
Daedalus: Not making waves, *News and views*, (Jones, D) **356,** 666
Daedalus: Icy blasts, *News and views*, (Jones, D) **356,** 388
Daedalus: Exploding comets, *News and views*, (Jones, D) **356,** 482
Daedalus: Liquid vision, *News and views*, (Jones, D) **356,** 750
Daedalus: Thick skin, *News and views*, (Jones, D) **357,** 24
Daedalus: Erotic quality, *News and views*, (Jones, D) **357,** 286
Daedalus: Water music, *News and views*, (Jones, D) **357,** 446
Daedalus: Pure tones, *News and views*, (Jones, D) **357,** 544
Daedalus: A light grip, *News and views*, (Jones, D) **358,** 112
Space mothballs, *News and views*, (Jones, D) **358,** 196
Daedalus: Breathless hush, *News and views*, (Jones, D) **358,** 286
Daedalus: Wood for ever!, *News and views*, (Jones, D) **358,** 376
Daedalus: Hot stripping, *News and views*, (Jones, D) **357,** 648
Daedalus: Terse comments, *News and views*, (Jones, D) **358,** 22
Daedalus: Horn of plenty, *News and views*, (Jones, D) **358,** 458
Daedalus: Loaded crystal, *News and views*, (Jones, D) **358,** 546
Daedalus: High vacuum, *News and views*, (Jones, D) **359,** 592
Daedalus: Past fears, *News and views*, (Jones, D) **359,** 678
Breaking the code, *Correspondence*, (Leavitt, F J) **359,** 768
Tenacious fibres, *News and views*, (Jones, D) **359,** 780
Daedalus: Flying dust, *News and views*, (Jones, D) **357,** 118
Daedalus: Raising the roof, *News and views*, (Jones, D) **357,** 200
Daedalus: Plastic nightmare, *News and views*, (Jones, D) **357,** 366
Daedalus: Billing Big Brother, *News and views*, (Jones, D) **358,** 628
Daedalus: The wages of sin, *News and views*, (Jones, D) **358,** 716
Daedalus: Fulminating soot, *News and views*, (Jones, D) **360,** 22
Protein crystals go bang, *Scientific correspondence*, (Pitts, J E) **360,** 24
The biter bit, *Correspondence*, (Eklund, E) **359,** 10
Daedalus: Natural deception, *News and views*, (Jones, D) **359,** 20
Daedalus: Warm feelings, *News and views*, (Jones, D) **360,** 112
Take 100 lines, *Correspondence*, (Cooper, A P R) **358,** 365
Daedalus: Metal blowing, *News and views*, (Jones, D) **360,** 214
Daedalus: Know thyself!, *News and views*, (Jones, D) **359,** 108
Daedalus: Sensitive skin, *News and views*, (Jones, D) **359,** 198
Daedalus: Sound moves, *News and views*, (Jones, D) **359,** 276
Daedalus: Light fantastic, *News and views*, (Jones, D) **359,** 368
Daedalus: Active rigidity, *News and views*, (Jones, D) **359,** 484
Daedalus: Hyperfine print, *News and views*, (Jones, D) **360,** 304
Photofat, *Correspondence*, (Purcell, S M. Cannon, V S. Domingo, C R, Minsuk, S B) **360,** 404
Daedalus: Forced food, *News and views*, (Jones, D) **360,** 422
Daedalus: The iron horse, *News and views*, (Jones, D) **360,** 538
Daedalus: Artesian diver, *News and views*, (Jones, D) **355,** 116
Daedalus: Second sight, *News and views*, (Jones, D) **355,** 24
Daedalus: Noses have ears, *News and views*, (Jones, D) **355,** 210
Daedalus: Economy of scale, *News and views*, (Jones, D) **355,** 304
Daedalus: Counting stars, *News and views*, (Jones, D) **355,** 400
Daedalus: Occult learning, *News and views*, (Jones, D) **355,** 502
Daedalus: Digital correctness, *News and views*, (Jones, D) **355,** 592
Daedalus: Travelling light (Jones, D) **360,** 712
Daedalus: Cold light (Jones,D) **360,** 712
Daguerreotype. The daguerreotype: Nineteenth-century technology and modern science, *Book review by* Harding, C W. **355,** 689
Dams. China: Yangtze project dammed with faint praise, *News*, (Gwynne, P. Li, Y Q) **356,** 736
Dam facts, *Correspondence*, (Mather, B) **358,** 618
China in Brief, *News*, (Li, Y Q) **360,** 201
Environmental politics: The Danube. Dams over troubled waters, *News*, (Land, T) **355,** 289
Dark matter. Messing around with gravity, *News and views*, (Lindley, D) **359,** 583
Decaying neutrino theory, *Scientific correspondence*, (Sciama, D W, Salucci, P, Persic, M) **358,** 718
Evidence for some hot dark matter?, *Scientific correspondence*, (Schaefer, R K, Shafi, Q) **359,** 199
The search for dark matter (contd), *News and views*, (Maddox, J) **359,** 267
Large-scale structure in a universe with mixed hot and cold dark matter, *Letter to Nature*, (Davis, M. Summers, F J, Schlegel, D) **359,** 393
The spectrum of cosmological density fluctuations and nature of dark matter, *Letter to Nature*, (Taylor, A N, Rowan-Robinson, M) **359,** 396
Magnetic fields as an alternative explanation for the rotation curves of spiral galaxies, *Letter to Nature*, (Battaner, E, Garrido, J L, Membrado, M, Florido, E) **360,** 652
Cosmology: Fresh light on dark ages, *News and views*, (Peacock, J) **355,** 203
Cosmology: Radiation treatment for CDM, *News and views*, (Hogan, C J) **355,** 585
Unrequited search for heavy neutrino, *News and views*, (Maddox, J) **355,** 673
Darwin, Charles. Of animals and men, *Correspondence*, (Chapman, R A) **357,** 187
True or false?, *Correspondence*, (Milton, R) **359,** 665
Darwin's detractors, *Opinion*, **358,** 698
Darwin, *Book review by* Gould, S J. **355,** 215
Darwinism. The meaning of evolution: The morphological construction and ideological reconstruction of Darwin's theory, *Book review by* Ridley, M. **357,** 203
The facts of life: Shattering the myth of Darwinism, *Book review by* Nisbet, E G. **360,** 390
Universal Darwinism, *Correspondence*, (Dover, G A) **360,** 505
Data bases, genetics. Genetic resources: A gene library that goes "moo", *News*, (Anderson, C) **355,** 382
Data compression. The biter bit, *Correspondence*, (Eklund, E) **359,** 10
Data handling. FBI attaches strings to its DNA database, *News*, (Anderson, C) **357,** 618
Geomagnetic reversal paths, *Scientific correspondence*, (Laj, C, Mazaud, A, Weeks, R, Fuller, M, Herrero-Bervera, E) **359,** 111
Dating, aspartic acid. Rapid racemization of aspartic acid in mollusc shells and potential for dating over recent centuries, *Letter to Nature*, (Goodfriend, G A) **357,** 399
Dating, atomic mass spectroscopy. Dating of Nazca aqueducts, *Scientific correspondence*, (Barnes, M) **359,** 111
Dating, Rb-Sr. Alleghenian age of the Upper Mississippi Valley zinc-lead deposit determined by Rb-Sr dating of sphalerite, *Letter to Nature*, (Brannon, J C, Podosek, F A, McLimans, R K) **356,** 509
Dead-end elimination theorem. The dead-end elimination theorem and its use in protein side-chain positioning, *Letter to Nature*, (Desmet, J, De Maeyer, M, Hazes, B, Lasters, I) **356,** 539
Protein structure: New paths from dead ends, *News and views*, (Taylor, W) **356,** 478
Decorin. Natural inhibitor of transforming growth factor-ß protects against scarring in experimental kidney disease, *Letter to Nature*, (Border, W A, Noble, N A, Yamamoto, T, Harper, J R, Yamaguchi, Y, Pierschbacher, M D, Ruoslahti, E) **360,** 361
Deep-sea biology. Deep-sea amphipod swarms, *Scientific correspondence*, (Van Dover, C L, Kaartvedt, S, Bollens, S M, Wiebe, P H, Martin, J W, France, S C) **358,** 25
Deep-sea drilling. Deep-sea drilling: Japan floats big drilling plans, *News*, (Swinbanks, D) **356,** 732
Deer. Trial and error in the Highlands, *Commentary*, (Clutton-Brock, T H, Albon, S D) **358,** 11
Defence research. Defence research: Classification Catch-22, *News*, (Anderson, C) **356,** 274
French propose agency to spur European defence research, *News*, (Bakewell, D) **357,** 181
Defence, animal. Octopod 'ballooning' response, *Scientific correspondence*, (Boletzky, S V, Rio, M, Roux, M) **356,** 199
Balloon response explanation?, *Scientific correspondence*, (Hovland, M) **357,** 119
Defence, US. Congress supports breast cancer research by taking $210 million from military, *News*, (Watson, T) **359,** 471
Deforestation, Siberia. Siberia's threatened forests, *Commentary*, (Rosencranz, A, Scott, A) **355,** 293
Deglaciation. Sudden changes in North Atlantic circulation during the last deglaciation, *Article*, (Lehman, S J, Keigwin, L D) **356,** 757
Water mass exchange between the North Atlantic and the Norwegian Sea during the past 28,000 years, *Letter to Nature*, (Veum, T, Jansen, E, Arnold, M, Beyer, I, Duplessy, J-C) **356,** 783
Climate: Deep ocean circulation puzzle, *News and views*, (Zahn, R) **356,** 744
Deep circulation revisited, *Scientific correspondence*, (Lehmann, S J, Keigwin, L D) **358,** 197
Changes in surface salinity of the North Atlantic Ocean during the last deglaciation, *Letter to Nature*, (Duplessy, J C, Labeyrie, L, Arnold, M, Paterne, M, Duprat, J, van Weering, T C E) **358,** 485
Geochronological evidence supporting Antarctic deglaciation three million years ago, *Letter to Nature*, (Barrett, P J, Adams, C J, McIntosh, W C, Swisher, C C III, Wilson, G S) **359,** 816
Antarctic ice sheets at risk?, *News and views*, (Sugden, D) **359,** 775
Ice-age atmospheric concentration of nitrous oxide from an Antarctic ice core, *Letter to Nature*, (Leuenberger, M, Siegenthaler, U) **360,** 449
Dendritic cells. GM-CSF and TNF-α cooperate in the generation of dendritic Langerhans cells, *Letter to Nature*, (Caux, C, Dezutter-Dambuyant, C, Schmitt, D, Banchereau, J) **360,** 258
Dendrochronology. Possible connection between surface winds, solar activity and the Earth's magnetic field, *Letter to Nature*, (Anderson, R Y) **358,** 51
Denmark, Maastricht referendum. What to do about European union, *Opinion*, **357,** 425
Department of Energy, US. Argonne laboratory: Report backs whistleblower, *News*, (Kramer, D) **356,** 469
Descartes, René. Descartes' metaphysical physics, *Book review by* Hall, A R. **358,** 633
Rewriting the history of science, *Correspondence*, (Milne, A) **359,** 265
Detoxification. Rat liver protein linking chemical and immunological detoxification systems, *Letter to Nature*, (Blocki, F A, Schlievert, P M, Wackett, L P) **360,** 269
Developing countries, research. British science, *Correspondence*, (Krowitz, E) **360,** 406
Developing countries. Dangers of disappointment at Rio, *Opinion*, **357,** 265
Researchers look beyond UNCED, *News*, (Mundell, I) **357,** 269
Armchair biodiversity, *Correspondence*, (Pearson, D, Shaw, S) **360,** 291
IPCC strategies unfair to the South, *Commentary*, (Parikh, J K) **360,** 507
Developing world, scientific literature. Growth of science, *Correspondence*, (Kealey, T) **358,** 533
Development. α-Inhibin is a tumour-suppressor gene with gonadal specificity in mice, *Article*, (Matzuk, M M, Finegold, M J, Su, J-G J, Hsueh, A J W, Bradley, A) **360,** 313
Developmental biology. No effect of RDGS peptides, *Scientific correspondence*, (Leptin, M, Grunewald, B, Stein, D) **355,** 777
Developmental biology. Neuroectodermal autonomy of *Hox-2.9* expression revealed by rhombomere transpositions, *Letter to Nature*, (Guthrie, S, Muchamore, I, Kuroiwa, A, Marshall, H, Krumlauf, R, Lumsden, A) **356,** 157
Eye development: Function for Ras in sight, *News and views*, **355,** 497
Developmental biology: The making of the ear, *News and views*, **355,** 494
Mutation of protein kinase A causes heterochronic development of *Dictyostelium*, *Letter to Nature*, (Simon, M-N, Pelegrini, O, Veron, M, Kay, R R) **356,** 171
Developmental biology: Lighting up *Drosophila*, *News and views*, (Lawrence, P A, Morata, G) **356,** 107
A conceptual history of modern embryology. Volume 7 of developmental biology: A comprehensive synthesis, *Book review by* Mittwoch, U. **356,** 671
Regulation of vertebrate left-right asymmetries by extracellular matrix, *Letter to Nature*, (Yost, H J) **357,** 158
Function of maternal cytokeratin in *Xenopus* development, *Letter to Nature*, (Torpey, N, Wylie, C C, Heasman, J) **357,** 413
Developmental regulation of NMDA receptor-mediated synaptic currents at a central synapse, *Letter to Nature*, (Hestrin, S) **357,** 686
Visible benefit, *News and views*, **358,** 110
Vertebrate development: Induction and all that, *News and views*, (Cooke, J) **358,** 111
The gene *lin-3* encodes an inductive signal for vulval development in *C. elegans*, *Article*, (Hill, R J, Sternberg, P W) **358,** 470
Developmental biology: Inducing concentric worm holes, *News and views*, (Herman, R K) **358,** 450
Blastocyst implantation depends on maternal expression of leukaemia inhibitory factor, *Letter to Nature*, (Stewart, C L, Kaspar, P, Brunet, L J, Bhatt, H, Gadi, I, Köntgen, F, Abbondanzo, S J) **359,** 76
Activins: No muscles, but what a brain, *News and views*, (Lemaire, P) **359,** 586
A truncated activin receptor inhibits mesoderm induction and formation of axial structures in Xenopus embryos, *Article*, (Hemmati-Brivanlou, A, Melton, D A) **359,** 609
The making of a fly: The genetics of animal design, *Book review by* Rubin, G M. **357,** 123
Actin cables and epidermal movement in embryonic wound healing, *Letter to Nature*, (Martin, P, Lewis, J) **360,** 179
Cytokines: Can there be life without LIF?, *News and views*, (Heath, J K) **359,** 17
Drosophila wingless generates cell type diversity among *engrailed* expressing cells, *Letter to Nature*, (Dougan, S, DiNardo, S) **360,** 347
Loss of gene function through rapid mitotic cycles in the *Drosophila* embryo, *Letter to Nature*, (Rothe, M, Pehl, M, Taubert, H, Jäckle, H) **359,** 156
Current opinion in genetics and development, *Journal review*, (Little, P, Laskey, R, Scott, M P) **359,** 440
Formation of haematopoietic microenvironment and haematopoietic stem cells from single human bone marrow stem cells, *Letter to Nature*, (Huang, S, Terstappen, L W M M) **360,** 745
Brain-derived neurotrophic factor rescues spinal motor neurons from axotomy-induced cell death, *Letter to Nature*, (Yan, Q, Elliott, J, Snider, W D) **360,** 753

Brain-derived neurotrophic factor rescues developing avian motoneurons from cell death, *Letter to Nature*, (Oppenheim, R W, Yin, Q-W, Prevette, D, Yan, Q) **360,** 755

Brain-derived neurotrophic factor prevents the death of motoneurons in newborn rats after nerve section, *Letter to Nature*, (Sendtner, M, Holtmann, B, Kolbeck, R, Thoenen, H, Barde, Y-A) **360,** 757

Biological asymmetry and handedness, Ciba Foundation Symposium 162, *Book review by* Slack, J. **355,** 217

Regulation of G1-S transition in postembryonic neuronal precursors by axon ingrowth, *Letter to Nature*, (Selleck, S B, Gonzalez, C, Glover, D M, White, K) **355,** 253

Developmental switch of CREM function during spermatogenesis: from antagonist to activator, *Letter to Nature*, (Foulkes, N S, Mellström, B, Benusiglio, E, Sassone-Corsi, P) **355,** 80

Activation of *C. elegans Antennapedia* homologue in migrating cells controls their direction of migration, *Letter to Nature*, (Salser, S J, Kenyon, C) **355,** 255

Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment, *Letter to Nature*, (Mohanty-Hejmadi, P, Dutta, S K, Mahapatra, P) **355,** 352

Developmental biology: Mice with half a brain, *News and views*, (Holder, N, Maden M) **360,** 708

Developmental genetics. Homeodomain-independent activity of the *fushi tarazu* polypeptide in *Drosophila* embryos, *Letter to Nature*, (Fitzpatrick, V D, Percival-Smith, A, Ingles, C J, Krause, H M) **356,** 610

Direct homeodomain-DNA interaction in the autoregulation of the *fushi tarazu* gene, *Letter to Nature*, (Schier, A F, Gehring, W J) **356,** 804

Changing role of *even-skipped* during the evolution of insect pattern formation, *Letter to Nature*, (Patel, N H, Ball, E E, Goodman, C S) **357,** 339

Targeted misexpression of *Hox-4.6* in the avian limb bud causes apparent homeotic transformations, *Letter to Nature*, (Morgan, B A, Izpisua-Belmonte, J-C, Duboule, D, Tabin, C J) **358,** 236

Deformed autoregulatory element from *Drosophila* functions in a conserved manner in transgenic mice, *Letter to Nature*, (Awgulewitsch, A, Jacobs, D) **358,** 341

A human *HOX4B* regulatory element provides head-specific expression in *Drosophila* embryos, *Letter to Nature*, (Malicki, J, Cianetti, L C, Peschle, C, McGinnis, W) **358,** 345

Vertebrate development: A tool for transgenesis, *News and views*, (Tickle, C) **358,** 188

Developmental biology: How cells know their place, *News and views*, (Blau, H M) **358,** 284

Induction of germ cell formation by *oskar*, *Article*, (Ephrussi, A, Lehmann, R) **358,** 387

Ectopic mesoderm formation in *Xenopus* embryos caused by widespread expression of a *Brachyury* homologue, *Letter to Nature*, (Cunliffe, V, Smith, J C) **358,** 427

Developmental biology: The germ of the issue, *News and views*, (Strome, S) **358,** 368

Developmental biology: Homing in on the homeobox, *News and views*, (Riddihough, G) **357,** 643

Nested expression domains of four homeobox genes in developing rostral brain, *Letter to Nature*, (Simeone, A, Acampora, D, Gulisano, M, Stornaiuolo, A, Boncinelli, E) **358,** 687

Vampire wedding, *News and views*, **357,** 192

Development and evolution: Mice and flies head to head, *News and views*, (Holland, P, Ingham, P, Krauss, S) **358,** 627

Retinoblastoma: For our eyes only, *News and views*, (Harlow, E) **359,** 270

Developmental biology: Big genes and little genes and deadlines for transcription, *News and views*, (O'Farrell, P H) **359,** 366

Expression of *Hox-7.1* in myoblasts inhibits terminal differentiation and induces cell transformation, *Letter to Nature*, (Song, K, Wang, Y, Sassoon, D) **360,** 477

Mice deficient for Rb are nonviable and show defects in neurogenesis and haematopoiesis, *Article*, (Lee, E Y-H P, Chang, C-Y, Hu, N, Wang, Y-C J, Lai, C-C, Herrup, K, Lee, W-H, Bradley, A) **359,** 288

Effects of an *Rb* mutation in the mouse, *Article*, (Jacks, T, Fazeli, A, Schmitt, E M, Bronson, R T, Goodell, M A, Weinberg, R A) **359,** 295

Requirement for a functional *Rb-1* gene in murine development, *Letter to Nature*, (Clarke, A R, Robanus Maandag, E, van Roon, M, van der Lugt, N M T, van der Valk, M, Hooper, M L, Berns, A, te Riele, H) **359,** 328

Muscle development: Running without regulators, *News and views*, (Hughes, S M) **360,** 536

Bone and haematopoietic defects in mice lacking *c-fos*, *Letter to Nature*, (Wang, Z-Q, Ovitt, C, Grigoriadis, A E, Möhle-Steinlein, U, Rüther, U, Wagner, E F) **360,** 741

Developmental psychology. Addition and subtraction by human infants, *Letter to Nature*, (Wynn, K) **358,** 749

Developmental psychology: Arithmetic in the cradle, *News and views*, (Bryant, P E) **358,** 712

Errata: Addition and subtraction by human infants, *Letter to Nature*, (Wynn, K) **360,** 768

Diabetes insipidus. Molecular cloning of the receptor for human antidiuretic hormone, *Letter to Nature*, (Birnbaumer, M, Seibold, A, Gilbert, S, Ishido, M, Barberis, C, Antaramian, A, Brabet, P, Rosenthal, W) **357,** 333

Cloning and characterization of a vasopressin V2 receptor and possible link to nephrogenic diabetes insipidus, *Letter to Nature*, (Lolait, S J, O'Carroll, A-M, McBride, O W, Konig, M, Morel, A, Brownstein, M J) **357,** 336

Peptide receptors: Stepping up the pressure, *News and views*, (Sharif, M, Hanley, M R) **357,** 279

Molecular identification of the gene responsible for congenital nephrogenic diabetes insipidus, *Letter to Nature*, (Rosenthal, W, Seibold, A, Antaramian, A, Lonergan, M, Arthus, M-F, Hendy, G N, Birnbaumer, M, Bichet, D G) **359,** 233

Nature Genetics: Diabetes defect defined, *News and views*, (Davies, K) **359,** 434

Diabetes defect defined, *Miscellany*, (Davies, K) **359,** 434

Diabetes mellitus. Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus, *Letter to Nature*, (Froguel, Ph, Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) **356,** 162

Nonsense mutation in the glucokinase gene causes early-onset non-insulin-dependent diabetes mellitus, *Letter to Nature*, (Vionnet, N, Stoffel, M, Takeda, J, Yasuda, K, Bell, G I, Zouali, H, Lesage, S, Velho, G, Iris, F, Passa, Ph, Froguel, Ph, Cohen, D) **356,** 721

Trying times for human insulin, *Commentary*, (Wolff, S P) **356,** 375

Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus: Correction, *Letter to Nature*, (Froguel, Ph, Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) **357,** 607

Human evolution: Diabetes running wild, *News and views*, (Diamond, J M) **357,** 362

Diabetes: Breast may well be best, *News and views*, (Baxter, A G, Cooke, A) **359,** 194

Human insulin, *Correspondence*, (Williams, G, Patrick, A W) **359,** 355

Diabetes, murine. No diabetes link to hsp65?, *Scientific correspondence*, (Latchman, D) **356,** 114

Autoimmune diabetes as a consequence of locally produced interleukin-2, *Letter to Nature*, (Heath, W R, Allison, J, Hoffmann, M W, Schönrich, G, Hämmerling, G, Arnold, B, Miller, J F A P) **359,** 547

Diabetes. Novel NADPH-binding domain revealed by the crystal structure of aldose reductase, *Letter to Nature*, (Rondeau, J-M, Tête-Favier, F, Podjarny, A, Reymann, J-M, Barth, P, Biellmann, J-F, Moras, D) **355,** 469

Diagenesis, sediments. Gone fishing, *News and views*, **356,** 288

Post-depositional mobility of platinum, iridium and rhenium in marine sediments, *Letter to Nature*, (Colodner, D C, Boyle, E A, Edmond, J M, Thomson, J) **358,** 402

Diamond synthesis. Squeezing diamond from fullerenes, *News and views*, (Ball, P) **355,** 205

Crushing C_{60} to diamond at room temperature, *Letter to Nature*, (Regueiro, M N, Monceau, P, Hodeau, J-L) **355,** 237

Diamond. Diamond source, *Scientific correspondence*, (Wright, I P) **358,** 198

Diamonds at the K/T boundary, *Scientific correspondence*, (Carlisle, D B) **357,** 119

Interstellar diamonds: Rich pickings for astronomers, *News and views*, (Wright, I P) **360,** 20

Large anisotropic thermal conductivity in synthetic diamond films, *Letter to Nature*, (Graebner, J E, Jin, S, Kammlott, G W, Herb, J A, Gardinier, C F) **359,** 401

Diamond and related materials, *Journal review*, (Cahn, R W, Messier, R) **359,** 456

Pedigree whiskers, *News and views*, **356,** 111

Diatom stratigraphy. Geochronological evidence supporting Antarctic deglaciation three million years ago, *Letter to Nature*, (Barrett, P J, Adams, C J, McIntosh, W C, Swisher, C C III, Wilson, G S) **359,** 816

Antarctic ice sheets at risk?, *News and views*, (Sugden, D) **359,** 775

Dibit Institute. New biology institute in Milan prizes quality above loyalty in effort to become world-class, *News*, (Abbott, A) **360,** 7

Dictionaries. *OED* on CD, *News*, (Tallack, P) **357,** 615

4ODSQ, *Correspondence*, (Bynum, W F, Porter, R) **355,** 490

Diet, cancer. Diet and breast cancer, *Opinion*, **359,** 760

Dietary supplements. Dietary supplements: 'IQ pills' land in trouble, *News*, (Aldhous, P) **355,** 285

IQ and diet, *Correspondence*, (Benton, D) **355,** 667

Differential travel-time analysis. Anisotropy of the inner core from differential travel times of the phases PKP and PKIKP, *Article*, (Creager, K C) **356,** 309

Differentiation, mantle. Early Earth: Stalking the magma ocean, *News and views*, (Stevenson, D J) **355,** 301

Diffuse interstellar bands. Is a pyrene-like molecular ion the cause of the 4,430-Å diffuse interstellar absorption band?, *Letter to Nature*, (Salama, F, Allamandola, L J) **358,** 42

Diffusion, porous media. Experimentally produced oscillatory zoning in the (Ba,Sr)SO_4 solid solution, *Letter to Nature*, (Putnis, A, Fernandez-Diaz, L, Prieto, M) **358,** 743

Diffusion, surfaces. Atomic replacement and vacancy formation and annihilation on iridium surfaces, *Letter to Nature*, (Tsong, T T, Chen, C-L) **355,** 328

Digital signal processing. Digital signal processing. A review journal, *Journal review*, (Hershey, J, Yarlagadda, R, Holburn, D) **359,** 455

Dihydropyridine receptors. Function of a truncated dihydropyridine receptor as both voltage sensor and calcium channel, *Letter to Nature*, (Beam, K G, Adams, B A, Niidome, T, Numa, S, Tanabe, T) **360,** 169

Dinosaurs. Marine transgressions and the evolution of Cretaceous dinosaurs, *Letter to Nature*, (Horner, J R, Varricchio, D J, Goodwin, M B) **358,** 59

Dinosaur books get seal of approval from new society, *News*, (Anderson, C) **359,** 8

Diphtheria toxin. The crystal structure of diphtheria toxin, *Article*, (Choe, S, Bennett, M J, Fujii, G, Curmi, P M G, Kantardjieff, K A, Collier, R J, Eisenberg, D) **357,** 216

Direct costs, universities. Disallowing direct costs, *Correspondence*, (Hurley, B J) **355,** 668

Disarmament, Russia. Saving Russian science: Stopping the Russian nuclear brain drain, *News*, (Land, T) **355,** 576

Disaster relief. FEMA's testing time, *Opinion*, **359,** 1

Disasters. Hurricane pounds Florida research facilities, *News*, (Anderson, C) **359,** 7

War against famine, for nutrition, *Opinion*, **360,** 499

Disease control. Infectious diseases are not banished, *Opinion*, **359,** 657

Disease. Statistics of chronic disease control, *Commentary*, (Peto, R) **356,** 557

Born to it, *Correspondence*, (Judson, O) **357,** 433

Infectious diseases of humans: Dynamics and control, *Book review by* Mollison, D. **358,** 29

Tuberculosis: Back to a frightening future, *News and views*, (Bloom, B R) **358,** 538

Japanese open infectious disease lab despite local and national protests, *News*, (Swinbanks, D) **358,** 703

Disease-of-the-month alive and well, *News and views*, (Culliton, B J) **360,** 13

Nature Genetics: Message in a bottle, *News and views*, (Davies, K) **360,** 90

Dislocations, quartz. A molecular water pump in quartz dislocations, *Letter to Nature*, (Heggie, M I) **355,** 337

Dissolution. Control of dissolution rates of orthosilicate minerals by divalent metal-oxygen bonds, *Letter to Nature*, (Casey, W H, Westrich, H R) **355,** 157

Diversity. Diversity and the tropical rainforest, *Book review by* Colinvaux, P. **356,** 625

DNA cleavage. Type III restriction enzymes need two inversely oriented recognition sites for DNA cleavage, *Letter to Nature*, (Meisel, A, Bickle, T A, Krüger, D H, Schroeder, C) **355,** 467

DNA damage. Action spectrum for DNA damage in alfalfa lowers predicted impact of ozone depletion, *Letter to Nature*, (Quaite, F E, Sutherland, B M, Sutherland, J C) **358,** 576

Molecular and genetic damage in humans from environmental pollution in Poland, *Letter to Nature*, (Perera, F P, Hemminki, K, Gryzbowska, E, Motykiewicz, G, Michalska, J, Santella, R M, Young, T-L, Dickey, C, Brandt-Rauf, P, DeVivo, I, Blaner, W, Tsai, W-Y, Chorazy, M) **360,** 256

DNA databases. Database contamination, *Scientific correspondence*, (Lopez, R, Kristensen, T, Prydz, H) **355,** 211

DNA detection. Stable dye-DNA intercalation complexes as reagents for high-sensitivity fluorescence detection, *Product review*, (Glazer, A N, Rye, H S) **359,** 859

DNA endonucleases. Homing of a DNA endonuclease gene by meiotic gene conversion in *Saccharomyces cerevisiae*, *Article*, (Gimble, F S, Thorner, J) **357,** 301

DNA fingerprinting. Conflict concerns disrupt panels, cloud testimony, *News*, (Anderson, C) **355,** 753

Coincidence or conspiracy?, *News*, (Anderson, C) **355,** 753

Genetic information: Challenge to British forensic database, *News*, (Aldhous, P) **355,** 191

DNA fingerprinting: Academy approves, critics still cry foul, *News*, (Anderson, C) **356,** 552

Forensic use o, PCR in Italy, *Correspondence*, (Fiori, A, Pascali, V L) **356,** 471

FBI's case for genetics, *Correspondence*, (Hicks, J H) **357,** 355

DNA fingerprints of cell lines, *Scientific correspondence*, (MacLeod, R A F, Stacey, G N, Bolton, B J, Doyle, A) **359,** 681

DNA fingerprinting transforms the art of cell authentication, *Product review*, (Stacey, G N, Bolton, B J, Doyle, A) **357,** 261

Courts reject DNA fingerprinting, citing controversy after NAS report, *News*, (Anderson, C) **359,** 349

DNA profiling: Law and probabilities, *News and views*, (Brookfield, J) **355,** 207

DNA fingerprinting: FBI gives in on genetics, *News*, (Anderson, C) **355,** 663

DNA profiling and the police, *Correspondence*, (Sheard, B) **355,** 667

DNA polymorphism. Evolutionary biology: New genes sweep clean, *News and views*, (Charlesworth, B) **356,** 475

DNA recombination. Levels of naturally occurring DNA polymorphism correlate with recombination rates in *D. melanogaster*, *Letter to Nature*, (Begun, D J, Aquadro, C F) **356,** 519

DNA repair. A eukaryotic DNA glycosylase/lyase recognizing ultraviolet light-induced pyrimidine dimers, *Letter to Nature*, (Hamilton, K K, Kim, P M H, Doetsch, P W) **356,** 725

Role of poly(ADP-ribose) formation in DNA repair, *Letter*

to Nature, (Satoh, M S, Lindahl, T) **356,** 356
Expression cloning of a human DNA repair gene involved in xeroderma pigmentosum group C, *Letter to Nature*, (Legerski, R, Peterson, C) **359,** 70
DNA repair: Damage-limitation exercises, *News and views*, (Barnes, D E) **359,** 12
Corrections: Expression cloning of a human DNA repair gene involved in xeroderma pigmentosum group C, *Letter to Nature*, (Legerski, R, Peterson, C) **360,** 610
The structure of the *E. coli recA* protein monomer and polymer, *Article*, (Story, R M, Weber, I T, Steitz, T A) **355,** 318
DNA replication. ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex, *Article*, (Bell, S P, Stillman, B) **357,** 128
Protein-DNA interactions at a yeast replication origin, *Letter to Nature*, (Diffley, J F X, Cocker, J H) **357,** 169
DNA replication: Eukaryotic initiation rites, *News and views*, (Li, J J, Alberts, B M) **357,** 114
MutT protein specifically hydrolyses a potent mutagenic substrate for DNA synthesis, *Letter to Nature*, (Maki, H, Sekiguchi, M) **355,** 273
DNA replication, Second edition, *Book review by* Wickner, S. **355,** 406
DNA sequencing. DNA sequences, *Correspondence*, (Auffray, C) **355,** 292
DNA sequencing: The worm turns and delivers, *News and views*, (Little, P) **356,** 14
The complete DNA sequence of yeast chromosome III, *Article*, (Oliver, S G, van der Aart, Q J M, Agostoni-Carbone, M L, Aigle, M, Alberghina, L, Alexandraki, D, Antoine, G, Anwar, R, Ballesta, J P G, Benit, P, Berben, G, Bergantino, E, Biteau, N, Bolle, P A, Bolotin-Fukuhara, M, Brown, A, Brown, A J P, Buhler, J M, Carcano, C, Carignani, G, Cederberg, H, Chanet, R, Contreras, R, Crouzet, M, Daignan-Fornier, B, Defoor, E, Delgado, M, Demolder, J, Doira, C, Dubois, E, Dujon, B, Dusterhoft, A, Erdmann, D, Esteban, M, Fabre, F, Fairhead, C, Faye, G, Feldmann, H, Fiers, W, Francingues-Gaillard, M C, Franco, L, Frontali, L, Fukuhara, H, Fuller, L J, Galland, P, Gent, M E, Gigot, D, Gilliquet, V, Glansdorff, N, Goffeau, A, Grenson, M, Grisanti, P, Grivell, L A, de Haan, M, Haasemann, M, Hatat, D, Hoenicka, J, Hegemann, J, Herbert, C J, Hilger, F, Hohmann, S, Hollenberg, C P, Huse, K, Iborra, F, Indge, K J, Isono, K, Jacq, C, Jacquet, M, James, C M, Jauniaux, J C, Jia, Y, Jimenez, A, Kelly, A, Kleinhans, U, Kreisl, P, Lanfranchi, G, Lewis, C, van der Linden, C G, Lucchini, G, Lutzenkirchen, K, Maat, M J, Mallet, L, Mannhaupt, G, Martegani, E, Mathieu, A, Maurer, C T C, McConnell, D, McKee, R A, Messenguy, F, Mewes, H W, Molemans, F, Montague, M A, Muzi Falconi, M, Navas, L, Newlon, C S, Noone, D, Pallier, C, Panzeri, L, Pearson, B M, Perea, J, Philippsen, P, Pierard, A, Planta, R J, Plevani, P, Poetsch, B, Pohl, F, Purnelle, B, Ramezani Rad, M, Rasmussen, S W, Raynal, A, Remacha, M, Richterich, P, Roberts, A B, Rodriguez, F, Sanz, E, Schaaf-Gerstenschlager, I, Scherens, B, Schweitzer, B, Shu, Y, Skala, J, Slonimski, P P, Sor, F, Soustelle, C, Spiegelberg, R, Stateva, L I, Steensma, H Y, Steiner, S, Thierry, A, Thireos, G, Tzermia, M, Urrestarazu, L A, Valle, G, Vetter, I, van Vliet-Reedijk, J C, Voet, M, Volckaert, G, Vreken, P, Wang, H, Warmington, J R, von Wettstein, D, Wicksteed, B L, Wilson, C, Wurst, H, Xu, G, Yoshikawa, A, Zimmermann, F K, Sgouros, J G) **357,** 38
Leukaemia/*Drosophila* homology, *Scientific correspondence*, (Daga, A, Tighe, J E, Calabi, F) **356,** 484
Ever-longer sequences in prospect, *News and views*, (Maddox, J) **357,** 13
Fact and fiction in alignment, *Correspondence*, (Christensen, A C, Henikoff, S) **358,** 271
Reagents for the site specific cleavage of megabase DNA, *Product review*, (Ellington, A D, Szostak, J W,) **359,** 87
Correlations in intronless DNA, *Scientific correspondence*, (Prabhu, V V, Claverie, J M) **359,** 782
Reality of sequencing costs, *Correspondence*, (Pohl, F, Sulston, J) **357,** 106
Introns in sequence tags, *Scientific correspondence*, (Bürglin, T R, Barnes, T M, Adams, M D, Fields, C, Venter, J C) **357,** 367
Capillary array electrophoresis: an approach to high-speed, high-throughput DNA sequencing, *Product review*, (Ellington, A D, Szostak, J W,) **359,** 167
Selection *in vitro* of single-stranded DNA molecules that fold into specific ligand-binding structures, *Letter to Nature*, (Ellington, A D, Szostak, J W,) **355,** 850
DNA sizing. Sizing single DNA molecules, *Scientific correspondence*, (Guo, X-H, Huff, E J, Schwartz, D C) **359,** 783
DNA structure. Crystal structure of four-stranded *Oxytricha* telomeric DNA, *Article*, (Kang, C H, Zhang, X, Ratliff, R, Moyzis, R, Rich, A) **356,** 126
Quadruplex structure of *Oxytricha* telomeric DNA oligonucleotides, *Letter to Nature*, (Smith, F W, Feigon, J) **356,** 164
Long-range correlations in nucleotide sequences, *Letter to Nature*, (Peng, C-K, Buldyrev, S V, Goldberger, A L, Havlin, S, Sciortino, F, Simons, M, Stanley, H E) **356,** 168
DNA structure: The quadruplex and the vase, *News and views*, (Frank-Kamenetskii, M) **356,** 105
Uncorrelated DNA walks, *Scientific correspondence*, (Nee, S) **357,** 450
Long-range correlations within DNA, *News and views*, (Maddox, J) **358,** 103
DNA electrophoresis in microlithographic arrays, *Letter to Nature*, (Volkmuth, W D, Austin, R H) **358,** 600
Westhof's rule, *Scientific correspondence*, (Westhof, E) **358,** 459
NMR study of parallel-stranded tetraplex formation by the hexadeoxynucleotide d(TG,T), *Letter to Nature*, (Aboulela, F, Murchie, A I H, Lilley, D M J) **360,** 280
DNA synthesis. *SWI6* protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast, *Letter to Nature*, (Lowndes, N F, Johnson, A L, Breeden, L, Johnston, L H) **357,** 505
A central role for *SWI6* in modulating cell cycle Start-specific transcription in yeast, *Letter to Nature*, (Dirick, L, Moll, T, Auer, H, Nasmyth, K) **357,** 508
S-phase feedback control in budding yeast independent of tyrosine phosphorylation of $p34^{CDC28}$, *Letter to Nature*, (Sorger, P K, Murray, A W) **355,** 365
Regulation of $p34^{CDC28}$ tyrosine phosphorylation is not required for entry into mitosis in *S. cerevisiae*, *Letter to Nature*, (Amon, A, Surana, U, Muroff, I, Nasmyth, K) **355,** 368
Control of DNA synthesis genes in fission yeast by the cell-cycle gene *cdc10*, *Letter to Nature*, (Lowndes, N F, McInerny, C J, Johnson, A L, Fantes, P A, Johnston, L H) **355,** 449
Gene expression: Dialogue with the cell cycle, *News and views*, (Andrews, B J) **355,** 393
DNA transcription. DNA recognition by GAL4: structure of a protein-DNA complex, *Article*, (Marmorstein, R, Carey, M, Ptashne, M, Harrison, S C) **356,** 408
Structure of the DNA-binding domain of zinc GAL4, *Letter to Nature*, (Kraulis, P J, Raine, A R C, Gadhavi, P L, Laue, E D) **356,** 448
Solution structure of the DNA-binding domain of Cd-GAL4 from *S. cerevisiae*, *Letter to Nature*, (Baleja, J D, Marmorstein, R, Harrison, S C, Wagner, G) **356,** 450
DNA transcription: Zinc standard for economy, *News and views*, (Luisi, B) **356,** 379
DNA untwisting. Allosteric underwinding of DNA is a critical step in positive control of transcription by Hg-MerR, *Letter to Nature*, (Ansari, A Z, Chael, M L, O'Halloran, T V) **355,** 87
DNA twisting and the effects of non-contacted bases on affinity of 434 operator for 434 repressor, *Letter to Nature*, (Koudelka, G B, Carlson, P) **355,** 89
DNA, mitochondrial. Rates of mitochondrial DNA evolution in sharks are slow compared with mammals, *Letter to Na* (Martin, A P, Naylor, G J P, Palumbi, S R) **357,** 153
Direct evidence for extensive paternal mitochondrial DNA inheritance in the marine mussel *Mytilus*, *Letter to Nature*, (Zouros, E, Freeman, K R, Oberhauser Ball, A, Pogson, G H) **359,** 412
DNA-binding domain. DNA recognition by GAL4: structure of a protein-DNA complex, *Article*, (Marmorstein, R, Carey, M, Ptashne, M, Harrison, S C) **356,** 408
Structure of the DNA-binding domain of zinc GAL4, *Letter to Nature*, (Kraulis, P J, Raine, A R C, Gadhavi, P L, Laue, E D) **356,** 448
Solution structure of the DNA-binding domain of Cd-GAL4 from *S. cerevisiae*, *Letter to Nature*, (Baleja, J D, Marmorstein, R, Harrison, S C, Wagner, G) **356,** 450
DNA transcription: Zinc standard for economy, *News and views*, (Luisi, B) **356,** 379
Gene fusion with an ETS DNA-binding domain caused by chromosome translocation in human tumours, *Letter to Nature*, (Delattre, O, Zucman, J, Plougastel, B, Desmaze, C, Melot, T, Peter, M, Kovar, H, Joubert, I, de Jong, P, Rouleau, G, Aurias, A, Thomas, G) **359,** 162
DNA-binding proteins. DNA-protein interactions: HMG has DNA wrapped up, *News and views*, (Lilley, D M J) **357,** 282
Anatomy of a transcription factor important for the Start of the cell cycle in *Saccharomyces cerevisiae*, *Letter to Nature*, (Primig, M, Sockanathan, S, Auer, H, Nasmyth, K) **358,** 593
Candidate proto-oncogene *bcl-3* encodes a subunit-specific inhibitor of transcription factor NF-κB, *Letter to Nature*, (Wulczyn, F G, Naumann, M, Scheidereit, C) **358,** 597
Amplification of a gene encoding a p53-associated protein in human sarcomas, *Letter to Nature*, (Oliner, J D, Kinzler, K W, Meltzer, P S, George, D L, Vogelstein, B) **358,** 80
Wild-type p53 activates transcription *in vitro*, *Letter to Nature*, (Farmer, G, Bargonetti, J, Zhu, H, Friedman, P, Prywes, R, Prives, C) **358,** 83
Transcription factors: DNA recognition, warts and all, *News and views*, (Kuriyan, J, Burley, S K) **359,** 476
Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target, *Article*, (Hegde, R S, Grossman, S R, Laimins, L A, Sigler, P B) **359,** 505
Identification of an amino acid-base contact in the GCN4-DNA complex by bromouracil-mediated photocrosslinking, *Letter to Nature*, (Blatter, E E, Ebright, Y W, Ebright, R H) **359,** 650
A transcriptional hierarchy involved in mammalian cell-type specification, *Letter to Nature*, (Kuo, C J, Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) **355,** 457
The structure of the *E. coli recA* protein monomer and polymer, *Article*, (Story, R M, Weber, I T, Steitz, T A) **355,** 318
Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature*, (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441
Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature*, (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446
Characterization of cDNA for the large subunit of the transcription initiation factor TFIIF, *Letter to Nature*, (Aso, T, Vasavada, A, Kawaguchi, T, Germino, F J, Ganguly, S, Kitajima, S, Weissman, S M, Yasukochi, Y) **355,** 461
A cDNA encoding RAP74, a general initiation factor for transcription by RNA polymerase II, *Letter to Nature*, (Finkelstein, A, Kostrub, C F, Li, J, Chavez, D P, Wang, B Q, Fang, S M, Greenblatt, J, Burton, Z F) **355,** 464
DNA-carcinogen detection. Detection of human DNA-carcinogen adducts, *Product review*, (Kadlubar, F F) **360,** 189
DNA-protein interactions. A whole genome approach to *in vivo* DNA-protein interactions in *E. coli*, *Letter to Nature*, (Wang, M X, Church, G M) **360,** 606
DNA-repair disorders. Cloning of cDNAs for Fanconi's anaemia by functional complementation, *Article*, (Strathdee, C A, Gavish, H, Shannon, W R, Buchwald, M) **356,** 763
Cloning of cDNAs for Fanconi's anaemia by functional complementation: Correction, *Letter to Nature*, (Strathdee, C A, Gavish, H, Shannon, W R, Buchwald, M) **358,** 434
DnaJ protein. Successive action of DnaK, DnaJ and GroEL along the pathway of chaperone-mediated protein folding, *Article*, (Langer, T, Lu, C, Echols, H, Flanagan, J, Hayer, M K, Hartl, F U) **356,** 683
Protein folding: Further up the kinetic pathway, *News and views*, (Pain, R) **356,** 664
DnaK protein. Successive action of DnaK, DnaJ and GroEL along the pathway of chaperone-mediated protein folding, *Article*, (Langer, T, Lu, C, Echols, H, Flanagan, J, Hayer, M K, Hartl, F U) **356,** 683
Protein folding: Further up the kinetic pathway, *News and views*, (Pain, R) **356,** 664
Doctoral theses. Thesis defended, *Correspondence*, (Weitzman, D) **355,** 291
Dolphins. Travel at low energetic cost by swimming and wave-riding bottlenose dolphins, *Letter to Nature*, (Williams, T M, Friedl, W A, Fong, M L, Yamada, R M, Sedivy, P, Haun, J E) **355,** 821
Net loss, *News and views*, **355,** 302
Domestication, animals. The covenant of the wild: Why animals choose domestication, *Book review by* Dawkins, M S. **356,** 487
Dopamine receptors. Dopamine receptors: Which D4 do *you* have?, *News and views*, (Iversen, L) **358,** 109
Multiple dopamine D4 receptor variants in the human population, *Letter to Nature*, (Van Tol, H H M, Wu, C M, Guan, H-C, Ohara, K, Bunzow, J R, Civelli, O, Kennedy, J, Seeman, P, Niznik, H B, Jovanovic, V) **358,** 149
Echoes of D4 receptor repeats, *Scientific correspondence*, (Makoff, A J, Lichter, J B, Livak, K J, Rogers, J, Kennedy, J L, Van Tol, H H M) **360,** 424
Doryonychus raptor. Impaled prey, *Scientific correspondence*, (Gillespie, R G) **355,** 212
Drift-net fishing. Net loss, *News and views*, **355,** 302
***Drosophila* development.** Regulation of G1-S transition in postembryonic neuronal precursors by axon ingrowth, *Letter to Nature*, (Selleck, S B, Gonzalez, C, Glover, D M, White, K) **355,** 253
***Drosophila* genetics.** Levels of naturally occurring DNA polymorphism correlate with recombination rates in *D. melanogaster*, *Letter to Nature*, (Begun, D J, Aquadro, C F) **356,** 519
Not entirely a backwater, *Correspondence*, (Pasteur, G) **359,** 10
Corrections: The *Drosophila* clock gene *per* affects intercellular junctional communication, *Article*, (Bargiello, T A, Saez, L, Baylies, M K, Gasic, G, Young, M W, Spray, D C) **360,** 610
Correction: Homology of a 150K cytoplasmic dynein-associated polypeptide with the *Drosophila* gene, *Letter to Nature*, (Holzbaur, E L F, Hammarback, J A, Paschal, B M, Kravit, N G, Pfister, K K, Vallee, R B) **360,** 695
Per - no link to gap junctions, *Scientific correspondence*, (Saez, L, Young, M W, Baylies, M K, Gasic, G, Bargiello, T A, Spray, D C) **360,** 542
***Drosophila* segmentation.** Homeodomain-independent activity of the *fushi tarazu* polypeptide in *Drosophila* embryos, *Letter to Nature*, (Fitzpatrick, V D, Percival-Smith, A, Ingles, C J, Krause, H M) **356,** 610
***Drosophila*, leukaemia gene homology.** Leukaemia/*Drosophila* homology, *Scientific correspondence*, (Daga, A, Tighe, J E, Calabi, F) **356,** 484
***Drosophila*, nervous system.** Connectivity of chemosensory neurons is controlled by the gene poxn in Drosophila, *Letter to Nature*, (Nottebohm, E, Dambly-Chaudière, C, Ghysen, A) **359,** 829
***Drosophila*.** *Drosophila wingless* generates cell type diversity among *engrailed* expressing cells, *Letter to Nature*, (Dougan, S, DiNardo, S) **360,** 347
Loss of gene function through rapid mitotic cycles in the *Drosophila* embryo, *Letter to Nature*, (Rothe, M, Pehl, M, Taubert, H, Jäckle, H) **359,** 156
***Drosophila* divergence.** Evolutionary biology: New genes sweep clean, *News and views*, (Charlesworth, B) **356,** 475

Drug delivery. Mixed micelles in drug delivery, *Product review*, (Lasic, D D) **355,** 279
Drug development. FDA reforms: Private doubts, public support, *News*, (Gershon, D) **356,** 279
A new kind of orphan drug?, *Correspondence*, (Allerberger, F, Dierich, M P) **357,** 531
Tuberculosis: Back to a frightening future, *News and views*, (Bloom, B R) **358,** 538
Drug development: Orphan drug windfalls?, *News*, (Gershon, D) **355,** 381
Drug legislation. Orphan drugs, *Correspondence*, (Blanchard, T) **358,** 534
New drug law to speed scientific review, *Opinion*, **359,** 563
User fees to hasten FDA review, *News*, (Gershon, D) **359,** 567
Frustrated by regulatory delays at FDA, biotech companies warm to user fees, *News*, (Gershon, D) **358,** 616
User fees advance in Congress, *News*, (Gershon, D) **359,** 261
Drug policy: FDA panel backs interleukin-2, *News*, (Culliton, B J) **355,** 287
Drug piracy. Drug piracy: Combating counterfeit drugs, *News*, (Land, T) **355,** 192
Drug resistance. Volume-regulated chloride channels associated with the human multidrug-resistance P-glycoprotein, *Letter to Nature*, (Valverde, M A, Diaz, M, Sepúlveda, F V) **355,** 830
Drug-resistant TB may bring epidemic, *News and views*, (Culliton, B J) **356,** 473
The catalase-peroxidase gene and isoniazid resistance of *Mycobacterium tuberculosis*, *Letter to Nature*, (Zhang, Y, Heym, B, Allen, B, Young, D, Cole, S) **358,** 591
Drug testing. Drug development: Drugs tested for women, *News*, (Gershon, D) **355,** 287
Drug trials. NIH plans trials of controversial AIDS drug, *News*, (Anderson, C) **360,** 8
Drug trials. US drug trials said to ignore gender differences, *News*, (Watson, T) **360,** 6
FDA wants to invite women into drug trials earlier, *News*, (Watson, T) **360,** 289
Duchenne muscular dystrophy. Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation, *Letter to Nature*, (Gussoni, E, Pavlath, G K, Lanctot, A M, Sharma, K R, Miller, R G, Steinman, L, Blau, H M) **356,** 435
Getting the point, *News and views*, **356,** 288
Deficiency of the 50K dystrophin-associated glycoprotein in severe childhood autosomal recessive muscular dystrophy, *Letter to Nature*, (Matsumura, K, Tomé, F M S, Collin, H, Azibi, K, Chaouch, M, Kaplan, J-C, Fardeau, M, Campbell, K P) **359,** 320
Association of dystrophin-related protein with dystrophin-associated proteins in *mdx* mouse muscle, *Letter to Nature*, (Matsumura, K, Ervasti, J M, Ohlendieck, K, Kahl, S D, Campbell, K P) **360,** 588
Primary structure of dystrophin-related protein, *Letter to Nature*, (Tinsley, J M, Blake, D J, Roche, A, Fairbrother, U, Riss, J, Byth, B C, Knight, A E, Kendrick-Jones, J, Suthers, G K, Love, D R, Edwards, Y H, Davies, K E) **360,** 591
Duesburg, Peter. Questions about AIDS, *Correspondence*, (Hoffmann, G W, Frank, L, Duesberg, P) **358,** 10
Dung beetles. Dung beetle ecology, *Book review by* Coe, M. **355,** 309
Dust, cometary. CHON as a component of dust from comet Halley, *Letter to Nature*, (Lawler, M E, Brownlee, D E) **359,** 810
Dust, interplanetary. Dust from short-period comet P/Schwassmann-Wachmann 1 and replenishment of the interplanetary dust cloud, *Letter to Nature*, (Fulle, M) **359,** 42
Dust, interstellar. Interstellar diamonds: Rich pickings for astronomers, *News and views*, (Wright, I P) **360,** 20
Dwarf galaxies. Formation of dwarf galaxies in tidal tails, *Letter to Nature*, (Barnes, J E, Hernquist, L) **360,** 717
Dwarf stars. Beaming down, *News and views*, **359,** 590
Dyke swarms. Evidence from magnetic fabric for the flow pattern of magma in the Mackenzie giant radiating dyke swarm, *Letter to Nature*, (Ernst, R E, Baragar, W R A) **356,** 511
Dynactin complex. Cell biology: New cytoskeletal liaisons, *News and views*, (Goldstein, L S B, Vale, R D) **359,** 193
A vertebrate actin-related protein is a component of a multisubunit complex involved in microtubule-based vesicle motility, *Letter to Nature*, (Lees-Miller, J P, Helfman, D M, Schroer, T A) **359,** 244
Centractin is an actin homologue associated with the centrosome, *Letter to Nature*, (Clark, S W, Meyer, D I) **359,** 247
Dynamo action. Numerical calculations of fast dynamos in smooth velocity fields with realistic diffusion, *Letter to Nature*, (Galloway, D J, Proctor, M R E) **356,** 691
Dynein. Correction: Homology of a 150K cytoplasmic dynein-associated polypeptide with the *Drosophila* gene, *Letter to Nature*, (Holzbaur, E L F, Hammarback, J A, Paschal, B M, Kravit, N G, Pfister, K K, Vallee, R B) **360,** 695
Dystrophin. Dystrophin mRNA in lyophilized tissue, *Scientific correspondence*, (Anderson, M S, Kunkel, L M, Khurana, T S) **355,** 778
Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation, *Letter to Nature*, (Gussoni, E, Pavlath, G K, Lanctot, A M, Sharma, K R, Miller, R G, Steinman, L, Blau, H M) **356,** 435
Getting the point, *News and views*, **356,** 288
Deficiency of the 50K dystrophin-associated glycoprotein in severe childhood autosomal recessive muscular dystrophy, *Letter to Nature*, (Matsumura, K, Tomé, F M S, Collin, H, Azibi, K, Chaouch, M, Kaplan, J-C, Fardeau, M, Campbell, K P) **359,** 320
Association of dystrophin-related protein with dystrophin-associated proteins in *mdx* mouse muscle, *Letter to Nature*, (Matsumura, K, Ervasti, J M, Ohlendieck, K, Kahl, S D, Campbell, K P) **360,** 588
Primary structure of dystrophin-related protein, *Letter to Nature*, (Tinsley, J M, Blake, D J, Roche, A, Fairbrother, U, Riss, J, Byth, B C, Knight, A E, Kendrick-Jones, J, Suthers, G K, Love, D R, Edwards, Y H, Davies, K E) **360,** 591
Duesburg, Peter. Questions about AIDS, *Correspondence*, (Hoffmann, G W, Frank, L, Duesberg, P) **358,** 10
Dung beetles. Dung beetle ecology, *Book review by* Coe, M. **355,** 309
Dust, cometary. CHON as a component of dust from comet Halley, *Letter to Nature*, (Lawler, M E, Brownlee, D E) **359,** 810
Dust, interplanetary. Dust from short-period comet P/Schwassmann-Wachmann 1 and replenishment of the interplanetary dust cloud, *Letter to Nature*, (Fulle, M) **359,** 42
Dust, interstellar. Interstellar diamonds: Rich pickings for astronomers, *News and views*, (Wright, I P) **360,** 20
Dwarf galaxies. Formation of dwarf galaxies in tidal tails, *Letter to Nature*, (Barnes, J E, Hernquist, L) **360,** 717
Dwarf stars. Beaming down, *News and views*, **359,** 590
Dyke swarms. Evidence from magnetic fabric for the flow pattern of magma in the Mackenzie giant radiating dyke swarm, *Letter to Nature*, (Ernst, R E, Baragar, W R A) **356,** 511
Dynactin complex. Cell biology: New cytoskeletal liaisons, *News and views*, (Goldstein, L S B, Vale, R D) **359,** 193
A vertebrate actin-related protein is a component of a multisubunit complex involved in microtubule-based vesicle motility, *Letter to Nature*, (Lees-Miller, J P, Helfman, D M, Schroer, T A) **359,** 244
Centractin is an actin homologue associated with the centrosome, *Letter to Nature*, (Clark, S W, Meyer, D I) **359,** 247
Dynamo action. Numerical calculations of fast dynamos in smooth velocity fields with realistic diffusion, *Letter to Nature*, (Galloway, D J, Proctor, M R E) **356,** 691
Dynein. Correction: Homology of a 150K cytoplasmic dynein-associated polypeptide with the *Drosophila* gene, *Letter to Nature*, (Holzbaur, E L F, Hammarback, J A, Paschal, B M, Kravit, N G, Pfister, K K, Vallee, R B) **360,** 695
Dystrophin. Dystrophin mRNA in lyophilized tissue, *Scientific correspondence*, (Anderson, M S, Kunkel, L M, Khurana, T S) **355,** 778
Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation, *Letter to Nature*, (Gussoni, E, Pavlath, G K, Lanctot, A M, Sharma, K R, Miller, R G, Steinman, L, Blau, H M) **356,** 435
Getting the point, *News and views*, **356,** 288
Deficiency of the 50K dystrophin-associated glycoprotein in severe childhood autosomal recessive muscular dystrophy, *Letter to Nature*, (Matsumura, K, Tomé, F M S, Collin, H, Azibi, K, Chaouch, M, Kaplan, J-C, Fardeau, M, Campbell, K P) **359,** 320
Association of dystrophin-related protein with dystrophin-associated proteins in *mdx* mouse muscle, *Letter to Nature*, (Matsumura, K, Ervasti, J M, Ohlendieck, K, Kahl, S D, Campbell, K P) **360,** 588
Primary structure of dystrophin-related protein, *Letter to Nature*, (Tinsley, J M, Blake, D J, Roche, A, Fairbrother, U, Riss, J, Byth, B C, Knight, A E, Kendrick-Jones, J, Suthers, G K, Love, D R, Edwards, Y H, Davies, K E) **360,** 591
E2 protein. Transcription factors: DNA recognition, warts and all, *News and views*, (Kuriyan, J, Burley, S K) **359,** 476
Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target, *Article*, (Hegde, R S, Grossman, S R, Laimins, L A, Sigler, P B) **359,** 505
E2F protein. Retinoblastoma protein switches the E2F site from positive to negative element, *Letter to Nature*, (Weintraub, S J, Prater, C A, Dean, D C) **358,** 259
Transcriptional regulation: A closer look at E2F, *News and views*, (Nevins, J R) **358,** 375
Earth observing system. Earth observing system: Smaller, but still controversial, *News*, (Anderson, C) **356,** 370
Earth sciences. Post-rifting stress relaxation at the divergent plate boundary in Northeast Iceland, *Letter to Nature*, (Foulger, G R, Jahn, C-H, Seeber, G, Einarsson, P, Julian, B R, Heki, K) **358,** 488
An earthquake mechanism based on rapid sealing of faults, *Letter to Nature*, (Blanpied, M L, Lockner, D A, Byerlee, J D) **358,** 574
Earth sciences: Water in mantle minerals, *News and views*, (Bell, D R) **357,** 646
Earth sciences: Does the mid-crust flow?, *News and views*, (Thatcher, W) **358,** 454
Rock mechanics: Greasing the fault, *News and views*, (Evans, B) **358,** 544
Earth summit. Dangers of disappointment at Rio, *Opinion*, **357,** 265
Researchers look beyond UNCED, *News*, (Mundell, I) **357,** 269
Earth system science. Encyclopedia of Earth system science volumes 1-4, *Book review by* Smith, P J. **356,** 486
Earth's crust. Post-rifting stress relaxation at the divergent plate boundary in Northeast Iceland, *Letter to Nature*, (Foulger, G R, Jahn, C-H, Seeber, G, Einarsson, P, Julian, B R, Heki, K) **358,** 488
Earth sciences: Does the mid-crust flow?, *News and views*, (Thatcher, W) **358,** 454
Earth, core. Earth sciences: The Earth's core in a nutshell, *News and views*, (Jacobs, J A) **356,** 286
Anisotropy of the inner core from differential travel times of the phases PKP and PKIKP, *Article*, (Creager, K C) **356,** 309
Analytical model for solidification of the Earth's core, *Letter to Nature*, (Buffett, B A, Huppert, H E, Lister, J R, Woods, A W) **356,** 329
Deep interior of the Earth, *Book review by* Stevenson, D J. **356,** 396
Geophysics: Earth's core not so hot, *News and views*, (Duba, A) **359,** 197
Earth, evolution of. Latest Proterozoic stratigraphy and Earth history, *Review article*, (Knoll, A H, Walter, M R) **356,** 673
From stone to star: A view of modern geology, *Book review by* Herries Davies, G L. **358,** 719
The age of the earth, *Book review by* Nisbet, E G. **360,** 390
Scenes from deep time: Early pictorial representations of the prehistoric world, *Book review by* Sarjeant, W A S. **360,** 543
The life span of the biosphere revisited, *Letter to Nature*, (Caldeira, K, Kasting, J F) **360,** 723
Evidence from coupled ^{147}Sm-^{143}Nd and ^{146}Sm-^{142}Nd systematics for very early (4.5-Gyr) differentiation of the Earth's mantle, *Letter to Nature*, (Harper, C L Jr, Jacobsen, S B) **360,** 730
Early Earth: Stalking the magma ocean, *News and views*, (Stevenson, D J) **355,** 301
Earth, rotation rate. Changes in Earth rotation rate, *Scientific correspondence*, (Le Mouël, J L, Courtillot, V, Jault, D) **355,** 26
Earthquake prediction. Earthquake prediction: Models of the seismic cycle, *News and views*, (Scholz, C H) **355,** 774
A shear-strain anomaly following the Loma Prieta earthquake, *Letter to Nature*, (Gwyther, R L, Gladwin, M T, Hart, R H G) **356,** 142
Earthquakes: Seismic gaps and grizzly bears, *News and views*, (Stein, S) **356,** 387
Earthquake prediction: Trying to shake Japan's faith in forecasts, *News*, (Swinbanks, D) **356,** 464
Japanese report shows cracks in predicting earthquakes, *News*, (Swinbanks, D) **358,** 361
Rumblings grow about Parkfield in wake of first earthquake prediction, *News*, (Finn, R) **359,** 761
Earthquakes. Seismology: Tokyo quake, *News*, (Swinbanks, D) **355,** 489
Seismology: Quake news quickest, *News*, (Anderson, C) **356,** 735
Reactivation of an oceanic fracture by the Macquarie Ridge earthquake of 1989, *Letter to Nature*, (Das, S) **357,** 150
Earthquake scaling, *Scientific correspondence*, (Main, I) **357,** 27
Linking short-timescale deformation to long-timescale tectonics, *Letter to Nature*, (Sornette, D, Virieux, J) **357,** 401
Solar observatory shaken by quake, *News*, (Lindley, D) **358,** 95
An earthquake mechanism based on rapid sealing of faults, *Letter to Nature*, (Blanpied, M L, Lockner, D A, Byerlee, J D) **358,** 574
Weakness amidst strength, *News and views*, (Scholz, C H) **359,** 677
Earthquakes: Three's a crowd in California, *News and views*, (Michael, A) **357,** 111
Changes in static stress on southern California faults after the 1992 Landers earthquake, *Letter to Nature*, (Harris, R A, Simpson, R W) **360,** 251
Earthquakes: The exception is the rule, *News and views*, (Houston, H) **360,** 111
Earthquakes: Californians feel the tension, *News and views*, (Henyey, T) **360,** 206
Role of pore fluids in the generation of seismic precursors to shear fracture, *Letter to Nature*, (Sammonds, P R, Meredith, P G, Main, I G) **359,** 228
Plate tectonics: Geodesy tracks plate motion, *News and views*, (Hudnut, K W) **355,** 681
Intraplate not always stable, *Scientific correspondence*, (Johnston, A C) **355,** 213
Earthquakes: Building blocks on shaky ground, *News and views*, (Johnston, A C) **355,** 114
Earthquakes: Sizing up the threat, *News and views*, (Kisslinger, C) **355,** 18
Changes in frequency-size relationship from small to large earthquakes, *Letter to Nature*, (Pacheco, J F, Scholz, C H, Sykes, L R) **355,** 71
East Africa, climate change. Greenhouse indicators in Kenya, *Scientific correspondence*, (Hastenrath, S, Kruss, P D) **355,** 503
Eastern bloc, science. Soviet lightwave communications, *Journal review*, (Blow, K, Prokhorov, A M) **359,** 454
Hughes looks east for next expansion, *News*, (Anderson, C) **360,** 504
Eastern Europe. Nuclear power: East Europe's reactors in trouble, *News*, (Land, T) **355,** 98
Energy and environment: Nuclear wastes seek home, *News*, (Land, T) **355,** 580
Plant collections endangered in Eastern Europe and Russia, *News*, (Butler, D) **360,** 201
Travel restrictions, *Correspondence*, (Schwarzenberg-Czerny, A) **360,** 406
Ecdysone. Gene regulation: Ecdysone and the onion, *News and views*, (Guild, G, Richards, G) **357,** 539
Eclipse, solar. Extreme-infrared brightness profile of the solar chromosphere obtained during the total eclipse of 1991, *Letter to Nature*, (Lindsey, C, Jefferies, J T, Clark, T A, Harrison, R A, Carter, M K, Watt, G, Becklin, E E, Roellig, T L, Braun, D C, Naylor, D A, Tompkins, G J) **358,** 308
Solar astronomy: Darkness can illuminate, *News and views*, (Foukal, P) **358,** 285
Three-dimensional image of the solar corona from white-light observations of the 1991 eclipse, *Letter to Nature*, (Koutchmy, S, Molodensky, M M) **360,** 719
Eclipses, pulsars. X-rays from the eclipsing pulsar 1957+20, *Letter to Nature*, (Fruchter, A S, Bookbinder, J, Garcia, M R, Bailyn, C D) **359,** 303
Ecology. Molecular ecology: Small, green and different, *News and views*, (Burke, T) **355,** 775
Evolution of ecological differences in the Old World leaf warblers (Correction), *Letter to Nature*, (Richman, A D, Price, T) **357,** 176
The ecology of fishes on coral reefs, *Book review by* Petersen, C W. **357,** 551
Blighted woodlands: Environment project in Poland, *News*, (Land, T) **355,** 580
Environment: UK sets 'early warning system', *News*, (Aldhous, P) **355,** 383
Effect of animal husbandry on herbivore-carrying capacity at a regional scale, *Letter to Nature*, (Oesterheld, M, Sala, O E, McNaughton, S J) **356,** 234
Uncertainty of detecting sea change, *Commentary*, (Duarte, C M, Cebrián, J, Marbà, N) **356,** 190
Ecology: Pastoral plumbing, *News and views*, (Moore, P D) **357,** 644
Effects of boreal forest vegetation on global climate, *Letter to Nature*, (Bonan, G B, Pollard, D, Thompson, S L) **359,** 716
Long time series reveal density dependence, *News and views*, (Godfray, H C J, Hassell, M P) **359,** 673
Ecology: Not only gone with the wind, *News and views*, (Moore, P D) **357,** 116
The balance of nature? Ecological issues in the conservation of species and communities, *Book review by* Perrins, C M. **357,** 124
Out of the Earth: Civilization and the life of the soil, *Book review by* Pirie, N W. **357,** 373
Academy says US national parks need more research, *News*, (Anderson, C) **359,** 7

The case for conservation. *Correspondence*, (Leavitt, F J) **360,** 100
Ecology: A leaf for all seasons. *News and views*, (Moore, P D) **360,** 110
Yeltsin's ecology adviser chips away at a sorry past. *News*, (Mervis, J) **360,** 198
Interactions between food-web structure and nutrients on pond organisms. *Letter to Nature*, (Leibold, M A, Wilbur, H M) **360,** 341
Lack of nitrogen cycling in the Atacama Desert. *Letter to Nature*, (Ehleringer, J R, Mooney, H A, Rundel, P W, Evans, R D, Palma, B, Delatorre, J) **359,** 316
Ecology: Frog ponds and ocean iron. *News and views*, (Pimm, S L) **360,** 298
Dung beetle ecology. *Book review by* Coe, M. **355,** 309
Food-web analysis through field measurement of per capita interaction strength. *Letter to Nature*, (Paine, R T) **355,** 73
Ecology: Feeble links in food webs. *News and views*, (Lawton, J H) **355,** 19

Economics, environmental. Climate change. *Correspondence*, (Grubb, M) **358,** 448

Economics, Russia. Russian science faces economic crisis. *News and views*, (Maddox, J) **355,** 391

Economics, US. In what state is the Union?. *Opinion*, **355,** 481

Economics. Why the recession is still here. *Opinion*, **357,** 1
Journal of environmental and resource economics. *Journal review*. (O'Riordan, T, Opschoor, J B, Folmer, H, Jansen, H M A) **359,** 460
What happened to all that prosperity?. *Opinion*, **355,** 95
An obdurate recession. *Opinion*, **355,** 378

Economy, UK. Recession without end. *Opinion*, **358,** 356

Ecosystems. Terrestrial ecosystems through time: Evolutionary paleoecology of terrestrial plants and animals. *Book review by* Palmer, D. **360,** 426

Education, Germany. Germans try to ease overcrowding. *News*, (Abbott, A) **357,** 349

Education, science. Foundations of computer science. *Book review by* Campbell, J A. **359,** 206

Education, South Africa. Cabinet shifts unlikely to help South African universities. *News*, (Cherry, M) **357,** 184

Education, UK. Welsh education: Small uncertainties. *News*, (Maddox, J) **356,** 99

Education, US. Graduate training: Kinder, gentler, more useful mathematics. *News*, (Lindley, D) **356,** 650
Realities behind riots. *Opinion*, **357,** 179
Emphasis on research blamed for problems at US universities. *News*, (Watson, T) **359,** 263
Alberts emphasizes education as nominee to head NAS. *News*, (Mervis, J) **359,** 264
Toshiba to help US students think about technology. *News*, (Mervis, J) **359,** 351
Education without impact: How our universities fail the young. *Book review by* Warnock, M. **360,** 383
College admissions. *Opinion*, **360,** 398

Education. China in Brief. *News*, (Li, Y Q) **360,** 201
Population crisis. *Correspondence*, (Marshall, A) **355,** 291

Eels. Discovery of the spawning area for Japanese eel. *Letter to Nature*, (Tsukamoto, K) **356,** 789

Egg size. Kiwi's egg size and moa. *Scientific correspondence*, (Potter, M, McLennan, J) **358,** 548

Egg-sperm binding. Complementarity between sperm surface β-1,4-galactosyl-transferase and egg-coat ZP3 mediates sperm-egg binding. *Letter to Nature*, (Miller, D J, Macek, M B, Shur, B D) **357,** 589

Egg-sperm fusion. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion. *Letter to Nature*, (Blobel, C P, Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) **356,** 248
Cell biology: A family of fusion proteins. *News and views*, (Aitken, J) **356,** 196

Egypt, science. Training for Egyptian scientists. *News*, (Ferrell-Stevens, J) **355,** 194

Ehrlich. Molecular lightning rod. *News and views*, **357,** 364

Einstein, Albert. Einstein's beliefs. *Correspondence*, (Raner Jr, G H, Lerner, L S) **358,** 102
Albert Einstein and Mileva Maric: The love letters. *Book review by* Schwartz, J. **360,** 377

El Nino. Molecular records of twentieth-century El Niño events in laminated sediments from the Santa Barbara basin. *Letter to Nature*, (Kennedy, J A, Brassell, S C) **357,** 62
Climate: Predicting El Niño events. *News and views*, (Ropelewski, C F) **356,** 476
Global propagation of interannual fluctuations in atmospheric angular momentum. *Letter to Nature*, (Dickey, J O, Marcus, S L, Hide, R) **357,** 484
Extreme weather events. *Scientific correspondence*, (Keppenne, C L, Ghil, M) **358,** 547

Election, US. Al Gore's future. *Opinion*, **358,** 175

Electrical signalling in plants. Electrical signalling and systemic proteinase inhibitor induction in the wounded plant. *Letter to Nature*, (Wildon, D C, Thain, J F, Minchin, P E H, Gubb, I R, Reilly, A J, Skipper, Y D, Doherty, H M, O'Donnell, P J, Bowles, D J) **360,** 62
Cell signalling: Potential awareness of plants. *News and views*, (Roberts, K) **360,** 14

Electricity generation. China: Yangtze project dammed with faint praise. *News*, (Gwynne, P, Li, Y Q) **356,** 736

Electro-rheological fluids. Materials science: The structure of smart fluids. *News and views*, (Whittle, M, Bullough, W A) **358,** 373

Electrochemistry. Delay in vesicle fusion revealed by electrochemical monitoring of single secretory events in adrenal chromaffin cells. *Letter to Nature*, (Chow, R H, von Rüden, L, Neher, E) **356,** 60
Photochromism induced in an electrolytically pretreated MoO_3 thin film by visible light. *Letter to Nature*, (Yao, J N, Hashimoto, K, Fujishima, A) **355,** 624

Electroluminescence. Chemical tuning of electroluminescent copolymers to improve emission effeciencies and allow patterning. *Letter to Nature*, (Burn, P L) **356,** 47

Electromagnetic fields, health risks. EMF report draws fire. *News*, (Anderson, C) **360,** 288
Paralysed by politics. EPA delays spending any money on EMF research. *News*, (Anderson, C) **359,** 3
The Maxwellians. *Book review by* Warwick, A. **357,** 291

Electromagnetism. Innovation in Maxwell's electromagnetic theory: Molecular vortices, displacement current, and light. *Book review by* Harman, P M. **356,** 753

Electron diffraction. Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking. *Article*, (Dong, W, Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) **355,** 605
The structure of the C_{70} molecule. *Letter to Nature*, (McKenzie, D R, Davis, C A, Cockayne, D J H, Muller, D A, Vassallo, A M) **355,** 622

Electron holography. A direct inversion method for surface structure determination from LEED intensities. *Letter to Nature*, (Hu, P, King, D A) **360,** 655

Electron microscopy. Real-time observation of vortex lattices in a superconductor by electron microscopy. *Letter to Nature*, (Harada, K, Matsuda, T, Bonevich, J, Igarashi, M, Kondo, S, Pozzi, G, Kawabe, U, Tonomura, A) **360,** 51
Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking. *Article*, (Dong, W, Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) **355,** 605

Electron paramagnetic resonance. Electron paramagnetic resonance studies of lanthanum-containing C_{60}. *Letter to Nature*, (Johnson, R D, de Vries, M S, Salem, J, Bethune, D S, Yannoni, C S) **355,** 239
Mechanical detection of magnetic resonance. *Letter to Nature*, (Rugar, D, Yannoni, C S, Sidles, J A) **360,** 563

Electron pump. Singular work. *News and views*, **355,** 398

Electron transfer. Electron transfer: Biology's wiring circuits. *News and views*, (Williams, R J P) **355,** 770
Nature of biological electron transfer. *Article*, (Moser, C C, Keske, J M, Warncke, K, Farid, R S, Dutton, P L) **355,** 796
Photochemistry: A bent for charge separation. *News and views*, (Fox, M A) **355,** 500
Biological electron transfer: Plug in a molecular diode. *News and views*, (Cammack, R) **356,** 288
Diode-like behaviour of a mitochondrial electron-transport enzyme. *Letter to Nature*, (Sucheta, A, Ackrell, B A C, Cochran, B, Armstrong, F A) **356,** 361

Electronic publishing. Electronic journals have a future. *News and views*, (Maddox, J) **356,** 559
Making networks work. *Journal review*, (Barden, P) **359,** 435

Electronic structure. Origin of ferroelectricity in perovskite oxides. *Letter to Nature*, (Cohen, R E) **358,** 136
Ferroelectricity in oxides. *Scientific correspondence*, (Bussmann-Holder, A, Büttner, H) **360,** 541

Electronics. Hydrogenated amorphous silicon. *Book review by* Holmes-Siedle, A. **358,** 117
Electronics: Single atoms as transistors. *News and views*, (Washburn, S) **357,** 199
Large anisotropic thermal conductivity in synthetic diamond films. *Letter to Nature*, (Graebner, J E, Jin, S, Kammlott, G W, Herb, J A, Gardinier, C F) **359,** 401
Single-electron transfer in metallic nanostructures. *Review article*, (Devoret, M H, Esteve, D, Urbina, C) **360,** 547

Electrophoresis. DNA electrophoresis in microlithographic arrays. *Letter to Nature*, (Volkmuth, W D, Austin, R H) **358,** 600
Reagents for the site specific cleavage of megabase DNA. *Product review*, (Ellington, A D, Szostak, J W,) **359,** 87
Sizing single DNA molecules. *Scientific correspondence*, (Guo, X-H, Huff, E J, Schwartz, D C) **359,** 783
Capillary array electrophoresis: an approach to high-speed, high-throughput DNA sequencing. *Product review*, (Ellington, A D, Szostak, J W,) **359,** 167
Selection *in vitro* of single-stranded DNA molecules that fold into specific ligand-binding structures. *Letter to Nature*, (Ellington, A D, Szostak, J W,) **355,** 850

Electrophysiology. Volume-regulated chloride channels associated with the human multidrug-resistance P-glycoprotein. *Letter to Nature*, (Valverde, M A, Diaz, M, Sepúlveda, F V) **355,** 830
Rapid-time-course miniature and evoked excitatory currents at cerebellar synapses *in situ*. *Letter to Nature*, (Silver, R A, Traynelis, S F, Cull-Candy, S G) **355,** 163
A chloride channel widely expressed in epithelial and non-epithelial cells. *Letter to Nature*, (Thiemann, A, Gründer, S, Pusch, M, Jentsch, T J) **356,** 57
The ambiguous frog: The Galvani-Volta controversy on animal electricity. *Book review by* Hackmann, W D. **356,** 26
New mammalian chloride channel identified by expression cloning. *Letter to Nature*, (Paulmichl, M, Li, Y, Wickman, K, Ackerman, M, Peralta, E, Clapham, D) **356,** 238
Electrical bursting in islet ß cells. *Scientific correspondence*, (Cook, D L) **357,** 28
Electrical bursting in islet ß cells: Reply. *Scientific correspondence*, (Rorsman, P, Berggren, P-O) **357,** 28
Voltage-dependent phosphorylation may recruit Ca^{2+} current facilitation in chromaffin cells. *Letter to Nature*, (Artalejo, C R, Rossie, S, Perlman, R L, Fox, A P) **358,** 63
Evidence for cooperative interactions in potassium channel gating. *Letter to Nature*, (Tytgat, J, Hess, P) **359,** 420

Element abundances. Evidence from zinc abundances for dust fractionation in chemically peculiar stars. *Letter to Nature*, (Van Winckel, H, Mathis, J S, Waelkens, C) **356,** 500
Stellar chemistry: A case of missing metals. *News and views*, (Bond, H E) **356,** 474
Cosmochemistry: Lithium given and taken away. *News and views*, (Gilmore, G) **358,** 108
Nucleosynthesis: Flashing giants forge fluorine. *News and views*, (Mathews, G J) **359,** 18
Astrophysical ^{7}Li as a product of Big Bang nucleosynthesis and galactic cosmic-ray spallation. *Letter to Nature*, (Olive, K A, Schramm, D N) **360,** 439
The O/C abundance ratio in absorbing gas clouds at high redshift. *Letter to Nature*, (Reimers, D, Vogel, S, Hagen, H-J, Engels, D, Groote, D, Wamsteker, W, Clavel, J, Rosa, M R) **360,** 561

Elephant man. Articulating the Elephant Man: Joseph Merrick and his interpreters. *Book review by* Neve, M. **358,** 199

Elephants. Eating in. *News and views*, **359,** 275

Elliptical galaxies. Starbursts in the nuclei of shell galaxies. *Letter to Nature*, (Hernquist, L, Weil, M L) **358,** 734

Elongation factor-1A gene. Elongation factor-1α gene determines susceptibility to transformation. *Letter to Nature*, (Tatsuka, M, Mitsui, H, Wada, M, Nagata, A, Nojima, H, Okayama, H) **359,** 333

Embryo, rights. Sound embryo ruling. *Opinion*, **357,** 425
Nonpersons. *Correspondence*, (Gannon, A) **358,** 102

Embryogenesis. Involvement of p21^{ras} in *Xenopus* mesoderm induction. *Letter to Nature*, (Whitman, M, Melton, D A) **357,** 252
Induction of gut in *Caenorhabditis elegans* embryos. *Letter to Nature*, (Goldstein, B) **357,** 255
Drosophila wingless generates cell type diversity among *engrailed* expressing cells. *Letter to Nature*, (Dougan, S, DiNardo, S) **360,** 347
Developmental biology: Big genes and little genes and deadlines for transcription. *News and views*, (O'Farrell, P H) **359,** 366

Embryology. No effect of RDGS peptides. *Scientific correspondence*, (Leptin, M, Grunewald, B, Stein, D) **355,** 777
A conceptual history of modern embryology. Volume 7 of developmental biology: A comprehensive synthesis. *Book review by* Mittwoch, U. **356,** 671
Activins: No muscles, but what a brain. *News and views*, (Lemaire, P) **359,** 586
A truncated activin receptor inhibits mesoderm induction and formation of axial structures in Xenopus embryos. *Article*, (Hemmati-Brivanlou, A, Melton, D A) **359,** 609
Models for embryonic periodicity. *Book review by* Lawrence, P A. **358,** 720
Embryology: The quest for immortality. *News and views*, (McLaren, A) **359,** 482
Long-term proliferation of mouse primordial germ cells in culture. *Letter to Nature*, (Resnick, J L, Bixler, L S, Cheng, L, Donovan, P J) **359,** 550
Mitotic domains in the early embryo of the zebrafish. *Letter to Nature*, (Kane, D A, Warga, R M, Kimmel, C B) **360,** 735
Retinoic acid alters hindbrain *Hox* code and induces transformation of rhombomeres 2/3 into a 4/5 identity. *Letter to Nature*, (Marshall, H, Nonchev, S, Sham, M H, Muchamore, I, Lumsden, A, Krumlauf, R) **360,** 737

Embryonic development. Homeotic transformation of the occipital bones of the skull by ectopic expression of a homeobox gene. *Letter to Nature*, (Lufkin, T, Mark, M, Hart, C P, Dollé, P, LeMeur, M, Chambon, P) **359,** 835

Empiricism. In the wake of Galileo. *Book review by* Naylor, R. **355,** 597

Employment, UK graduates. Prospects for graduates. *Correspondence*, (Eggleton, P) **355,** 292

Employment. Rewards of working for the government. *Miscellany*, **356,** 363
Indian court bans quotas that give share of science posts to outcasts. *News*, (Jayaraman, K S) **358,** 9
Growth in jobs with a green tinge. *Miscellany*, (MacPherson, S) **358,** 437
SKB announces UK redundancies and realignment. *News*, (Abbott, A, Mundell, I) **359,** 96
Wellcome Trust to list jobs, grants on line. *News*, (Mundell, I) **359,** 97
Job prospects are better than ever (but were never as bad as made out). *News*, (Anderson, C) **359,** 184
Rebuild research now. *Opinion*, **359,** 258
Researchers urge boycott of supply company in labour dispute with warehouse employees. *News*, (Gershon, D) **360,** 290
RITE more right for foreigners than Japanese. *News*, (Swinbanks, D) **360,** 403

Endangered species. Conservation meeting: Critics urge reform of CITES endangered list. *News*, (Aldhous, P) **355,** 758
Animal research: Importer indicted. *News*, (Anderson, C) **355,** 759

'alala live on in Hawaiian forest, *News and views*, (Culliton, B J) **357,** 277
Endocrinology. Frontiers in neuroendocrinology, *Journal review*, (Swanson, L W, Ganong, W F, Martini, L) **359,** 446
Endoplasmic reticulum. Role of ATP and disulphide bonds during protein folding in the endoplasmic reticulum, *Letter to Nature*, (Braakman, I, Helenius, J, Helenius, A) **356,** 260
A protein of the endoplasmic reticulum involved early in polypeptide translocation, *Article*, (Görlich, D, Hartmann, E, Prehn, S, Rapoport, T A) **357,** 47
Protein translocation: Travelling by TRAM, *News and views*, (Walter, P) **357,** 22
An endoplasmic reticulum retention signal in the CD3 chain of the T-cell receptor, *Letter to Nature*, (Mallabiabarrena, A, Fresno, M, Alarcón, B) **357,** 593
Retrograde transport of endocytosed Shiga toxin to the endoplasmic reticulum, *Letter to Nature*, (Sandvig, K, Garred, O, Prydz, K, Kozlov, J V, Hansen, S H, van Deurs, B) **358,** 510
Retraction: Identification by anti-idiotype antibodies of an intracellular membrane protein that recognizes a mammalian endoplasmic reticulum retention signal, *Article*, (Vaux, D, Tooze, J, Fuller, S) **360,** 372
Endosymbiont hypothesis. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes, *Letter to Nature*, (Palenik, B, Haselkorn, R) **355,** 265
Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation, *Letter to Nature*, (Urbach, E, Robertson, D L, Chisholm, S W) **355,** 267
Endothelium. Inositol 1, 3, 5-tetrakisphosphate activates an endothelial CaS_2-permeable channel, *Letter to Nature*, (Lückhoff, A, Clapham, D E) **355,** 356
Energy research, US. Congress laments politics of energy, *News*, (Anderson, C) **357,** 8
Energy researchers fight for survival, *Commentary*, (Jones, K) **357,** 636
Energy technology. Big increase for MITI budget emphasizes energy technology, *News*, (Swinbanks, D) **359,** 4
Biomass and bioenergy, *Journal review*, (Bettis, W B, Coombs, J, Hall, D O, Overend, R P, Smith, W H) **359,** 462
Energy, renewable. Renewable energy may fall off Britain's research agenda, *News*, (Mundell, I) **357,** 8
Energy, UK. Market ideology, *Opinion*, **359,** 658
Engineering. Flying buttresses, entropy, and O-rings: The world of an engineer, *Book review by* Petroski, H. **356,** 488
English language. French research: Publish in English, or perish?, *News*, (Bakewell, D) **356,** 648
Enterotoxins. Enterotoxin residues determining T-cell receptor Vß binding specificity, *Letter to Nature*, (Irwin, M J, Hudson, K R, Fraser, J D, Gascoigne, N R J) **359,** 841
Entomology. Japanese moth collection lands in London, *News*, (Mundell, I) **359,** 468
Strong selection on a gene that influences reproductive competition in a social insect, *Letter to Nature*, (Ross, K G) **355,** 347
Dung beetle ecology, *Book review by* Coe, M. **355,** 309
Lost and found, *News and views*, **355,** 209
Entropy maximization. Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking, *Article*, (Dong, W, Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) **355,** 605
Environment, Asia. Green scheme to open Asian markets, *News*, (Anderson, C) **355,** 194
Environment, Europe. European Environment Agency still in limbo, *News*, (Mundell, I) **357,** 353
Megaprojects galore, *Opinion*, **359,** 466
Environment, Poland. Blighted woodlands: Environment project in Poland, *News*, (Land, T) **355,** 580
Environment, Siberia. Siberia's threatened forests, *Commentary*, (Rosencranz, A, Scott, A) **355,** 293
Environment, Soviet Union. Ecocide in the USSR: Health and nature under siege, *Book review by* Scherbakova, A. **357,** 451
Environment, UK. Marine blasts to be regulated following UK protest, *News*, (Mundell, I) **357,** 183
British military beckons environmental researchers, *News*, (Mundell, I) **358,** 179
Marine explosions, *Correspondence*, (Lockyer, C) **358,** 271
Environment: UK sets 'early warning system', *News*, (Aldhous, P) **355,** 383
Environment, US. Anti-environment Bush, *Opinion*, **357,** 177
Environment. More green for greener satellites, *News*, (Mundell, I) **357,** 9
Fate of pesticides and chemicals in the environment, *Book review by* Hay, A. **357,** 653
Late Quaternary Environmental Change: Physical and Human Perspectives, *Book review by* Mannion, A M. **359,** 787
Misrepresenting paradise, *Scientific correspondence*, (England, J) **357,** 368
Molecular and genetic damage in humans from environmental pollution in Poland, *Letter to Nature*, (Perera, F P, Hemminki, K, Gryzbowska, E, Motykiewicz, G, Michalska, J, Santella, R M, Young, T-L, Dickey, C, Brandt-Rauf, P, DeVivo, I, Blaner, W, Tsai, W-Y, Chorazy, M) **360,** 256
Evolution and environment in the Hominoidea, *Review article*, (Andrews, P) **360,** 641
Future fuels, *Correspondence*, (Fyfe, W S) **355,** 10
Environmental economics. Journal of environmental and resource economics, *Journal review*, (O'Riordan, T, Opschoor, J B, Folmer, H, Jansen, H M A) **359,** 460
Environmental issues. Earth summit raises expectations, *Opinion*, **356,** 1
Two successful weeks at Rio, *Opinion*, **357,** 523
Unreasonable hope for Rio fades, *Opinion*, **356,** 461
Growing with environmental care, *Opinion*, **357,** 177
Dangers of disappointment at Rio, *Opinion*, **357,** 265
Researchers look beyond UNCED, *News*, (Mundell, I) **357,** 269
Between Stockholm and Rio, *Commentary*, (Zuckerman, Lord) **358,** 273
Climate change, *Correspondence*, (Grubb, M) **358,** 448
Swiss launch environment programme, *News*, (Klaffke, O) **358,** 531
Managing Rio's treaties, *Opinion*, **358,** 610
Big increase for MITI budget emphasizes energy technology, *News*, (Swinbanks, D) **359,** 4
Academy says US national parks need more research, *News*, (Anderson, C) **359,** 7
Petition warns of pending global environmental crisis, *News*, (Watson, T) **360,** 200
Confronting climate change: Risks, implications and responses, *Book review by* Thompson, R D. **359,** 115
The holocene: An interdisciplinary journal focusing on recent environmental change, *Journal review*, (Mannion, A M, Matthews, J A) **359,** 461
Global environmental change: Human and policy dimensions, *Journal review*, (Grubb, M, Mitchell, J K) **359,** 462
Green delusions: an environmentalist critique of radical environmentalism, *Book review by* O'Riordan, T. **360,** 387
Environmental policy, US. Uncertainties of climate change, *Correspondence*, (Lave, L B, Dowlatabadi, H, McRae, G J, Morgan, M G, Rubin, E S) **355,** 197
Environmental policy. Global environmental engineering, *Commentary*, (Cicerone, R J, Elliott, S, Turco, R P) **356,** 472
Environmental pollution. Evidence for a decline of PCBs and PAHs in rural vegetation and air in the United Kingdom, *Letter to Nature*, (Jones, K C, Sanders, G, Wild, S R, Burnett, V, Johnston, A E) **356,** 137
Environmental Protection Agency, US. Delaney's revenge: Court rejects US approach to assessing cancer risks in processed foods, *News*, (Anderson, C) **358,** 181
Paralysed by politics, EPA delays spending any money on EMF research, *News*, (Anderson, C) **359,** 3
US rules hinder research on disposal of PCBs, *News*, (Watson, T) **359,** 6
Environmental research, US. Global change: US research could lose lustre, *News*, (Mervis, J) **355,** 578
Environmental research. Environmental research: Power company leaves environmental legacy, *News*, (Mundell, I) **356,** 466
Enzymes, bioreactors. Reduction of nitrate and nitrite in water immobilized enzymes, *Letter to Nature*, (Mellor, R B, Ronnenberg, J, Campbell, W H, Diekmann, S) **355,** 717
Enzymology. Biological electron transfer: Plug in a molecular diode, *News and views*, (Cammack, R) **356,** 288
Fusarium solani cutinase is a lipolytic enzyme with a catalytic serine accessible to solvent, *Letter to Nature*, (Martinez, C, De Geus, P, Lauwereys, M, Matthyssens, G, Cambillau, C) **356,** 615
A novel heterodimeric cysteine protease is required for interleukin-1ß processing in monocytes, *Article*, (Thornberry, N A, Bull, H G, Calaycay, J R, Chapman, K T, Howard, A D, Kostura, M J, Miller, D K, Molineaux, S M, Weidner, J R, Aunins, J, Elliston, K O, Ayala, J M, Casano, F J, Chin, J, Ding, G J-F, Egger, L A, Gaffney, E P, Limjuco, G, Palyha, O C, Raju, S M, Rolando, A M, Salley, J P, Yamin, T-T, Lee, T D, Shively, J E, MacCross, M, Mumford, R A, Schmidt, J A, Tocci, M J) **356,** 768
Three-dimensional structure of a thermostable bacterial cellulase, *Letter to Nature*, (Juy, M, Amit, A G, Alzari, P M, Poljak, R J, Claeyssens, M, Béguin, P, Aubert, J-P) **357,** 89
Diode-like behaviour of a mitochondrial electron-transport enzyme, *Letter to Nature*, (Sucheta, A, Ackrell, B A C, Cochran, B, Armstrong, F A) **356,** 361
Enzymology: Proteases: to each his own, *News and views*, (Ringe, D) **356,** 748
Crystalline ribonuclease A loses function below the dynamical transition at 220 K, *Letter to Nature*, (Rasmussen, B F, Stock, A M, Ringe, D, Petsko, G A) **357,** 423
Faster superoxide dismutase mutants designed by enhancing electrostatic guidance, *Letter to Nature*, (Getzoff, E D, Cabelli, D E, Fisher, C L, Parge, H E, Viezzoli, M S, Banci, L, Hallewell, R A) **358,** 347
Quicker reaction by design, *News and views*, (Riddihough, G) **358,** 280
Structure of astacin and implications for activation of astacins and zinc-ligation of collagenases, *Letter to Nature*, (Bode, W, Gomis-Rüth, F X, Huber, R, Zwilling, R, Stöcker, W) **358,** 164
Structure of porphobilinogen deaminase reveals a flexible multidomain polymerase with a single catalytic site, *Article*, (Louie, G V, Brownlie, P D, Lambert, R, Cooper, J B, Blundell, T L, Wood, S P, Warren, M J, Woodcock, S C, Jordan, P M) **359,** 33
Enzyme complexes: A farewell to arms, *News and views*, (DeRosier, D J) **357,** 196
Ornithine decarboxylase is degraded by the 26S proteasome without ubiquitination, *Letter to Nature*, (Murakami, Y, Matsufuji, S, Kameji, T, Hayashi, S, Igarashi, K, Tamura, T, Tanaka, K, Ichibara, A) **360,** 597
Novel NADPH-binding domain revealed by the crystal structure of aldose reductase, *Letter to Nature*, (Rondeau, J-M, Tête-Favier, F, Podjarny, A, Reymann, J-M, Barth, P, Biellmann, J-F, Moras, D) **355,** 469
Molecular biology: recA: from locus to lattice, *News and views*, (McEntee, K) **355,** 302
Type III restriction enzymes need two inversely oriented recognition sites for DNA cleavage, *Letter to Nature*, (Meisel, A, Bickle, T A, Krüger, D H, Schroeder, C) **355,** 467
Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270
Eosinophilia-myalgia syndrome. Search for contaminant in EMS outbreak goes slowly, *News*, (Swinbanks, D, Anderson, C) **358,** 96
Legal battles amid the science, *News*, (Anderson, C) **358,** 96
Legal battles amid the science: Correction, *News*, (Anderson, C) **358,** 701
Epidemiology, pollution. Air pollution and health, *Correspondence*, (Paoletti, P, Marchesi, E, Velona, F, Donato, L) **355,** 290
Epidemiology. Epidemiology: Molecular potential, *News and views*, (Garner, C) **360,** 207
Smoke screen, *News and views*, **359,** 363
Chaos and epidemiology: Repellors attract attention, *News and views*, (Sidorowich, J J) **355,** 584
Epidemiology: Leukaemia linked to radiation, *News*, (Aldhous, P) **355,** 381
Epidermal growth factor receptor. Involvement of the epidermal growth factor receptor in the invasion of cultured mammalian cells by *Salmonella typhimurium*, *Letter to Nature*, (Galán, J E, Pace, J, Hayman, M J) **357,** 588
Cell biology: Devious devices of *Salmonella*, *News and views*, (Portnoy, D A, Smith, G A) **357,** 536
Epidermal growth factor. The gene *lin-3* encodes an inductive signal for vulval development in *C. elegans*, *Article*, (Hill, R J, Sternberg, P W) **358,** 470
Developmental biology: Inducing concentric worm holes, *News and views*, (Herman, R K) **358,** 450
Epidermis. Actin cables and epidermal movement in embryonic wound healing, *Letter to Nature*, (Martin, P, Lewis, J) **360,** 179
Epidermolysis bullosa simplex. A mutation in the conserved helix termination peptide of keratin 5 in hereditary skin blistering, *Letter to Nature*, (Lane, E B, Rugg, E L, Navsaria, H, Leigh, I M, Heagerty, A H M, Ishida-Yamamoto, A, Eady, R A J) **356,** 244
Epilepsy. Optical imaging of epileptiform and functional activity in human cerebral cortex, *Letter to Nature*, (Haglund, M M, Ojemann, G A, Hochman, D W) **358,** 668
Epstein-Barr virus. Epstein-Barr virus infection and replication in a human epithelial cell system, *Letter to Nature*, (Li, Q X, Young, L S, Niedobitek, G, Dawson, C W, Birkenbach, M, Wang, F, Rickinson, A B) **356,** 347
Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins, *Letter to Nature*, (Nicholas, J, Cameron, K R, Honess, R W) **355,** 362
Equivalence principle. Experimental constraints on strong-field relativistic gravity, *Article*, (Taylor, J H, Wolszczan, A, Damour, T, Weisberg, J M) **355,** 132
General relativity: The good companions, *News and views*, (Will, C M) **355,** 111
Erosion, coastal. Save the beaches, not the buildings, *News and views*, (Culliton, B J) **357,** 535
Coastal erosion and insurance, *Correspondence*, (Flanagan, D, Smith, A W S) **359,** 356
Erosion. Glaciation and denudation rates, *Scientific correspondence*, (harbor, J, Warburton, J) **356,** 751
Ice Ages: An uplifting experience, *News and views*, (Rind, D) **360,** 414
Climate and landscape response, *Scientific correspondence*, (Summerfield, M A, Kirkbride, M P) **355,** 306
Climate and landscape response: Reply, *Scientific correspondence*, (Molnar, P, England, P) **355,** 306
Errata. Correcting errors, *Correspondence*, (Slanina, Z) **355,** 668
Eruption columns. Thermal disequilibrium at the top of volcanic clouds and its effect on estimates of the column height, *Letter to Nature*, (Woods, A W, Self, S) **355,** 628
Eruptions, Mount St Helens. Curved saplings at Mount St Helens, *Scientific correspondence*, (Bursik, M I, Woods, A W) **355,** 594
Escherichia coli. P pili in uropathogenic *E. coli* are composite fibres with distinct fibrillar adhesive tips, *Letter to Nature*, (Kuehn, M J, Heuser, J, Normark, S, Hultgren, S J) **356,** 252
Crystal structures explain functional properties of two *E. coli* porins, *Article*, (Cowan, S W, Schirmer, T, Rummel, G, Steiert, M, Ghosh, R, Pauptit, R A, Jansonius, J N, Rosenbusch, J P) **358,** 727
ESRF, repairs. Synchrotron beamlines open as plans are laid for repairs, *News*, (Biggin, S) **360,** 3
Estonia, science. Estonia's plight, *Correspondence*, (Harro, J) **356,** 100
Estuaries. ECOs estuarine contaminant simulator, *Book review by* Varney, M. **355,** 122

Ethics, medical. Medical ethics: UK panels need more clout, *News*, (Mundell, I) **356,** 737
Group asks NIH to stop growth hormone trials, *News*, (Anderson, C) **358,** 4
Rifkin wins battle over NIH growth trials, *News*, (Watson, T) **358,** 529
German institutes, industry seek to ease genetic engineering laws, *News*, (Abbott, A) **359,** 93
The facts of life: Science and the abortion controversy, *Book review by* Hubbard, R. **360,** 379
Gene mapping: Using law and ethics as guides, *Book review by* Nelkin, D. **360,** 380
Gene therapy researcher under fire over controversial cancer trials, *News*, (Anderson , C) **360,** 399
Ethics, scientific. Ethical problems in the genes, *Correspondence*, (Turner, D) **357,** 355
Sound embryo ruling, *Opinion*, **357,** 425
Public opinion of gene patents, *Correspondence*, (Macer, D) **358,** 272
Nonpersons, *Correspondence*, (Gannon, A) **358,** 102
Physicist running for president is accused of distorting science to fit guru's ideas, *News*, (Anderson, C) **359,** 97
Ethics. Ethical scores for animal experiments, *Commentary*, (Porter, D G) **356,** 101
NIH scientists chafe under ethics rules on industry ties, *News*, (Anderson, C) **357,** 180
Groups sue to end fetal tissue ban, *News*, (Anderson, C) **359,** 761
The 'far east' of biological ethics, *Commentary*, (Macer, D) **359,** 770
Genetics-and-crime conference cancelled in clash with NIH, *News*, (Anderson, C) **359,** 98
Eubacteria. Neutral terms, *Scientific correspondence*, (Forterre, P) **355,** 305
Eugenics. Eugenics, human genetics and human failings: The eugenics society, its sources and its critics in Britain, *Book review by* Bynum, W F. **356,** 641
Eukaryotes. Neutral terms, *Scientific correspondence*, (Forterre, P) **355,** 305
Eureka. Eureka welcomes first East European member, *News*, (Bakewell, D) **357,** 353
Europe, biotechnology. Britain wrestles with EC rule on modified organisms, *News*, (Mundell, I) **359,** 569
Biotechnology industry: Biotech lobby pressures EC, *News*, (Aldhous, P) **355,** 289
EC biotechnology policy: Progress on animal patents, *News*, (Aldhous, P) **355,** 382
Europe, carbon tax. Muddled carbon tax, *Opinion*, **357,** 178
Europe, defence research. French propose agency to spur European defence research, *News*, (Bakewell, D) **357,** 181
Europe, environment. Megaprojects galore, *Opinion*, **359,** 466
Europe, higher education. Higher education: A European university, *News*, (Mundell, I) **356,** 553
Europe, homeopathy. Europe tightens rules that govern homeopathic products, *News*, (Abbott, A) **359,** 469
Europe, Joint European Torus. Answers, but no solutions, for dispute at JET, *News*, (Mundell, I) **359,** 352
Europe, Maastricht Treaty. Europe's recalcitrant offshore island, *Opinion*, **359,** 347
Europe, medical research. Medical research: Will EC policy boost European health studies?, *News*, (Aldhous, P) **355,** 286
Europe, nuclear waste disposal. Energy and environment: Nuclear wastes seek home, *News*, (Land, T) **355,** 580
Europe, nuclear weapons. Europe's lesser nuclear powers in flux, *Opinion*, **355,** 283
Europe, particle physics. International collaboration: Large Hadron Collider moves ahead, *News*, (Aldhous, P) **355,** 8
British physicist to head CERN, *News*, (Mundell, I) **359,** 352
Europe, research funding. European research funding: Maastricht drives R&D to the market, *News*, (Mundell, I) **356,** 650
Delays, confusion over rules hinder EC research projects, *News*, (Abbott, A) **358,** 98
Doubts grow faster than budget in new Framework plan, *News*, (Abbott, A) **359,** 471
Europe's false star, *Opinion*, **355,** 660
EC research: Delors asks for doubled budget, *News*, (Aldhous, P) **355,** 666
Europe, research. EXPO site to become science park, *News*, (Abbott, A) **357,** 528
EC research faces another poor year, *News*, (Aldhous, P) **355,** 3
Europe, space programme. Europe decides manned space costs too much for now, *News*, (Abbott, A) **357,** 351
Giotto encounters second comet; ready for more, *News*, (Abbott, A) **358,** 179
Europe, space research. Cost of cleanliness may sink European Mars mission, *News*, (Mundell, I) **358,** 443
Europe, war. Will there ever be peace in Europe?, *Opinion*, **358,** 439
Plight of Bosnia and Croatia, *Correspondence*, (Pravdic, V, Doric, S, Dikic, I) **359,** 571
European Commission. EC asked to supplement Framework, *News*, (Abbott, A) **358,** 443
A polarity in European research, *Commentary*, (Philipson, L) **360,** 102
European Community, economy. What happened to all that prosperity?, *Opinion*, **355,** 95
European Community. Problems of European law, *Correspondence*, (Gambacorti, C) **356,** 738
Better government for Europe?, *Opinion*, **357,** 347
Eureka welcomes first East European member, *News*, (Bakewell, D) **357,** 353
What to do about European union, *Opinion*, **357,** 425
Putting a price on Maastricht, *Opinion*, **358,** 1
Money turmoil poses awkward questions, *Opinion*, **359,** 1
Can Europe's dream now come true?, *Opinion*, **360,** 91
Maastricht, Sarajevo and Rostock, *Opinion*, **359,** 91
Flood of applicants delays EC training grants, *News*, (Abbott, A) **359,** 178
Is it "*Oui* or *Nous ne savons pas*"?, *Opinion*, **359,** 257
Confusion about form and function clouds launch of EC's Decade of the Brain, *News*, (Abbott, A) **359,** 260
Crossing the border, crossing the ocean, *News*, (Abbott, A) **359,** 260
What future for Europe's universities?, *Opinion*, **360,** 283
European Environment Agency. European Environment Agency still in limbo, *News*, (Mundell, I) **357,** 353
European Molecular Biology Laboratory. EMBL director quits after long fight over expansion, *News*, (Abbott, A) **358,** 267
European Space Agency. Cost of cleanliness may sink European Mars mission, *News*, (Mundell, I) **358,** 443
Costs curtail but do not kill European space laboratory, *News*, (Abbott, A) **360,** 199
Remote sensing: ERS-1 data still in the works, *News*, (Aldhous, P) **355,** 288
European studies. Higher education: A European university, *News*, (Mundell, I) **356,** 553
European Synchrotron Radiation Facility. Concrete holds key to ESRF's opening, *News*, (Mundell, I) **358,** 182
European Synchrotron Radiation Source. Synchrotron beamlines open as plans are laid for repairs, *News*, (Biggin, S) **360,** 3
Eusociality. Eusociality in Australian gall thrips, *Letter to Nature*, (Crespi, B J) **359,** 724
Evolution of king crabs from hermit crab ancestors, *Letter to Nature*, **355,** 539
Evolution, birds. Evolution of ecological differences in the Old World leaf warblers (Correction), *Letter to Nature*, (Richman, A D, Price, T) **357,** 176
Evolution, mammals. Earliest known Australian Tertiary mammal fauna, *Letter to Nature*, (Godthelp, H, Archer, M, Cifelli, R, Hand, S J, Gilkeson, C F) **356,** 514
Evolution, molecular. Rates of mitochondrial DNA evolution in sharks are slow compared with mammals, *Letter to Nature*, (Martin, A P, Naylor, G J P, Palumbi, S R) **357,** 153
Evolution. Cancer selection: The new theory of evolution, Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes, *Letter to Nature*, (Palenik, B, Haselkorn, R) **355,** 265
Evolution education: Creationist victory, *News*, (Anderson, C) **355,** 757
Molecular ecology: Small, green and different, *News and views*, (Burke, T) **355,** 775
Origin and evolution of the genus *Homo*, *Review article*, (Wood, B) **355,** 783
Evolution of ecological differences in the Old World leaf warblers, *Letter to Nature*, (Richman, A D, Price, T) **355,** 817
Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation, *Letter to Nature*, (Urbach, E, Robertson, D L, Chisholm, S W) **355,** 267
Book review by Galloway, J W. **356,** 206
Food of the Gods: The Search for the Original Tree of Knowledge, *Book review by* Huxtable, R J. **356,** 635
Species and speciation, *Scientific correspondence*, (Kondrashov, A S, Jablonka, E, Lamb, M J) **356,** 752
Coelacanth fins and evolution, *Scientific correspondence*, (Ahlberg, P E) **358,** 459
A new link between theropods and birds from the Cretaceous of Mongolia, *Letter to Nature*, (Elzanowski, A, Wellnhofer, P) **359,** 821
True or false?, *Correspondence*, (Milton, R) **359,** 665
National pride, *Correspondence*, (Baidins, A) **357,** 105
The meaning of evolution: The morphological construction and ideological reconstruction of Darwin's theory, *Book review by* Ridley, M. **357,** 203
Darwin's detractors, *Opinion*, **358,** 698
Gene-for-gene coevolution between plants and parasites, *Review article*, (Thompson, J N, Burdon, J J) **360,** 121
The evolution of life histories, *Book review by* Gwynne, D T. **359,** 27
Molds, molecules, and metazoa: Growing points in evolutionary biology, *Book review by* Goodwin, B. **359,** 204
Steps towards life: A perspective on evolution, *Book review by* Lehman, N. **359,** 597
Evolution of bee dances, *Scientific correspondence*, (Rinderer, T E, Oldroyd, B P, Sylvester, H A, Wongsiri, S, de Guzman, L I) **360,** 305
Evolution and environment in the Hominoidea, *Review article*, (Andrews, P) **360,** 641
Evolutionary biology. Evolutionary biology: Byte-sized evolution, *News and views*, (Maynard Smith, J) **355,** 772
Antiquity of clonal salamander lineages revealed by mitochondrial DNA, *Letter to Nature*, (Spolsky, C M, Phillips, C A, Uzzell, T) **356,** 706
Ancestry of unisexual salamanders, *Letter to Nature*, (Hedges, S B, Bogart, J P, Maxson, L R) **356,** 708
Evolutionary genetics: Selfish genes move sideways, *News and views*, (Hurst, G D D, Hurst, L D, Majerus, M E N) **356,** 659
Clonal histories: Age and the unisexual lineage, *News and views*, (Maynard Smith, J) **356,** 661
Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667
Evolutionary biology: New genes sweep clean, *News and views*, (Charlesworth, B) **356,** 475
Sperm competition in birds: evolutionary causes and consequences, *Book review by* Kirkpatrick, M. **357,** 30
The units of selection: Essays on the nature of species, *Book review by* Coyne, J A. **357,** 289
Selfish genes in mosquitoes, *Scientific correspondence*, (Curtis, C F) **357,** 450
The Evolutionary Biology of Hearing, *Book review by* Wilczynski, W. **358,** 202
Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes, *Letter to Nature*, (Sturmbauer, C, Meyer, A) **358,** 578
A test of reciprocal X-Y interactions as a cause of hybrid sterility in *Drosophila*, *Letter to Nature*, (Johnson, N A, Perez, D E, Cabot, E L, Hollocher, H, Wu, C-I) **358,** 751
Wing bone stresses in free flying bats and the evolution of skeletal design for flight, *Letter to Nature*, (Swartz, S M, Bennett, M B, Carrier, D R) **359,** 726
Sibling rivalry and brood sex ratios in polyembryonic wasps, *Letter to Nature*, (Grbic, M, Ode, P J, Strand, M R) **360,** 254
Evolutionary biology: Strife among siblings, *News and views*, (Godfray, H C J) **360,** 213
Origin of rodents and guinea-pigs, *Scientific correspondence*, (Li, W-H, Hide, W A, Graur, D) **359,** 277
Insect fossils: End of the 'Uniramia' taxon, *News and views*, (Shear, W A) **359,** 477
Evolutionary physiology: The red flag of optimality, *News and views*, (Diamond, J M) **355,** 204
Kiwi's egg, *Scientific correspondence*, (Morgan, E) **355,** 401
Impaled prey, *Scientific correspondence*, (Gillespie, R G) **355,** 212
Why do female adders copulate so frequently?, *Letter to Nature*, (Madsen, T, Shine, R, Loman, J, Håkansson, T) **355,** 440
Evolutionary biology: Snakes and female sexuality, *News and views*, (Parker, G A) **355,** 395
Tit for tat in heterogeneous populations, *Letter to Nature*, (Nowak, M A, Sigmund, K) **355,** 250
Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206
Strong selection on a gene that influences reproductive competition in a social insect, *Letter to Nature*, (Ross, K G) **355,** 347
Darwin, *Book review by* Gould, S J. **355,** 215
Evolutionary biology: The Galapagos that were, *News and views*, (Carson, H L) **355,** 202
Evolutionary chemistry. Evolutionary chemistry: Life in a test tube, *News and views*, (Hurst, L D, Dawkins, R) **357,** 198
Evolutionary genetics. Human origins: Genetics and geography, *News and views*, (Goldman, N, Barton, N H) **357,** 440
Nested expression domains of four homeobox genes in developing rostral brain, *Letter to Nature*, (Simeone, A, Acampora, D, Gulisano, M, Stornaiuolo, A, Boncinelli, E) **358,** 687
The genomic mutation rate for fitness in *Drosophila*, *Letter to Nature*, (Houle, D, Hoffmaster, D K, Assimacopoulos, S, Charlesworth, B) **359,** 58
Speciation events, *Scientific correspondence*, (Hurst, L D, Pomiankowski, A) **359,** 781
Natural selection: In the pink (and yellow), *News and views*, (Greenwood, J J D) **357,** 192
Development and evolution: Mice and flies head to head, *News and views*, (Holland, P, Ingham, P, Krauss, S) **358,** 627
Marsupial Y chromosome encodes a homologue of the mouse Y-linked candidate spermatogenesis gene *Ube1y*, *Letter to Nature*, (Mitchell, M J, Woods, D R, Wilcox, S A, Marshall Graves, J A, Bishop, C E) **359,** 528
Evolution of sex determination and the Y chromosome: *SRY*- related sequences in marsupials, *Letter to Nature*, (Foster, J W, Brennan, F E, Hampikian, G K, Goodfellow, P N, Sinclair, A H, Lovell-Badge, R, Selwood, L, Renfree, M B, Cooper, D W, Marshall Graves, J A) **359,** 531
Maintenance of MHC polymorphism, *Scientific correspondence*, (Hughes, A L, Nei, M) **355,** 402
Maintenance of MHC polymorphism: Reply, *Scientific correspondence*, (Hill, A V S, Kwiatkowski, D, McMichael, A J, Greenwood, B M, Bennett, S) **355,** 403
Ewing's sarcoma. Gene fusion with an ETS DNA-binding domain caused by chromosome translocation in human tumours, *Letter to Nature*, (Delattre, O, Zucman, J, Plougastel, B, Desmaze, C, Melot, T, Peter, M, Kovar, H, Joubert, I, de Jong, P, Rouleau, G, Aurias, A, Thomas, G) **359,** 162
Exocytosis. Delay in vesicle fusion revealed by electrochemical monitoring of single secretory events in adrenal chromaffin cells, *Letter to Nature*, (Chow, R H, von Rüden, L, Neher, E) **356,** 60
Exocytotic fusion is activated by Rab3a peptides, *Letter to Nature*, (Oberhauser, A F, Monck, J R, Balch, W E, Fernandez, J M) **360,** 271
Exons. Are vertebrate exons scanned during splice-site selection?, *Letter to Nature*, (Niwa, M, MacDonald, C C, Berget, S M) **360,** 277

Expressed sequence tags. Introns in sequence tags, *Scientific correspondence,* (Bürglin, T R, Barnes, T M, Adams, M D, Fields, C, Venter, J C) **357,** 367
Extinction. Staying alive, *News and views,* **358,** 538
Palaeontology: Twilight of the pygmy hippos, *News and views,* (Diamond, J M) **359,** 15
Extraterrestrial intelligence. Are we grown up?, *Correspondence,* (Ijspeert, J K) **356,** 374
Is anybody there?, *Correspondence,* (Davoust, E) **355,** 581
F-actin. A new tropomyosin essential for cytokinesis in the fission yeast *S. pombe*, *Letter to Nature,* (Balasubramanian, M K, Helfman, D M, Hemmingsen, S M) **360,** 84
Requirement of phosphatidylinositol 4,5-bisphosphate for α-actinin function, *Letter to Nature,* (Fukami, K, Furuhashi, K, Inagaki, M, Endo, T, Hatano, S, Takenawa, T) **359,** 150
Factory farming. Measuring animal well-being, *Correspondence,* (Rowan, A N, Wilson, A J) **356,** 556
Measuring animal well-being: Correction, *Correspondence,* (Wilson, A J) **357,** 187
Well-being and productivity, *Correspondence,* (Jukes, T H) **358,** 186
Measuring animal well-being, *Correspondence,* (Schönthal, A) **356,** 556
Fanconi's anaemia. Cloning of cDNAs for Fanconi's anaemia by functional complementation, *Article,* (Strathdee, C A, Gavish, H, Shannon, W R, Buchwald, M) **356,** 763
Cloning of cDNAs for Fanconi's anaemia by functional complementation: Correction, *Letter to Nature,* (Strathdee, C A, Gavish, H, Shannon, W R, Buchwald, M) **358,** 434
Farming. The covenant of the wild: Why animals choose domestication, *Book review by* Dawkins, M S. **356,** 487
The welfare state, *Correspondence,* (Jukes, T H) **360,** 100
Fas molecule. Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis, *Article,* (Watanabe-Fukunaga, R, Brannan, C I, Copeland, N G, Jenkins, N A, Nagata, S) **356,** 314
Faulting. Ridge segmentation, faulting and crustal thickness in the Atlantic Ocean, *Letter to Nature,* (Shaw, P R) **358,** 490
Rock mechanics: Greasing the fault, *News and views,* (Evans, B) **358,** 544
Creep, compaction and the weak rheology of major faults, *Article,* (Sleep, N H, Blanpied, M L) **359,** 687
Changes in static stress on southern California faults after the 1992 Landers earthquake, *Letter to Nature,* (Harris, R A, Simpson, R W) **360,** 251
Earthquakes: Californians feel the tension, *News and views,* (Henyey, T) **360,** 206
Plate tectonics: Geodesy tracks plate motion, *News and views,* (Hudnut, K W) **355,** 681
Intraplate not always stable, *Scientific correspondence,* (Johnston, A C) **355,** 213
An earthquake mechanism based on rapid sealing of faults, *Letter to Nature,* (Blanpied, M L, Lockner, D A, Byerlee, J D) **358,** 574
FBI. FBI's case for genetics, *Correspondence,* (Hicks, J H) **357,** 355
FBI attaches strings to its DNA database, *News,* (Anderson, C) **357,** 618
DNA fingerprinting: FBI gives in on genetics, *News,* (Anderson, C) **355,** 663
Federalism. Beyond the nation-state, *Correspondence,* (Crawford, I A) **358,** 448
Femtosecond spectroscopy. Femtosecond laser control of a chemical reaction, *Letter to Nature,* (Potter, E D, Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) **355,** 66
Fermi, Enrico. Fermi's mistake?, *Correspondence,* (Garwin, R L) **355,** 668
Ferroelectricity. Origin of ferroelectricity in perovskite oxides, *Letter to Nature,* (Cohen, R E) **358,** 136
Ferroelectric liquid crystals from achiral molecules, *Letter to Nature,* (Tournilhac, F, Blinov, L M, Simon, J, Yablonsky, S V) **359,** 621
Ferroelectricity in oxides, *Scientific correspondence,* (Bussmann-Holder, A, Büttner, H) **360,** 541
Ferromagnetism, fullerenes. Lattice structure of the fullerene ferromagnet $TDAE\text{-}C_{60}$, *Letter to Nature,* (Stephens, P W, Cox, D, Lauher, J W, Mihaly, L, Wiley, J B, Allemand, P-M, Hirsch, A, Holczer, K, Li, Q, Thompson, J D, Wudl, F) **355,** 331
Ferromagnetism. The model for almost all seasons?, *News and views,* (Maddox, J) **359,** 669
Clusters: Just a fraction of a moment, *News and views,* (Stace, T) **360,** 537
Fertilization. Cell biology: Centrosome and cell division, *News and views,* (Bailly, E, Bornens, M) **355,** 300
Expression of members of the putative olfactory receptor gene family in mammalian germ cells, *Letter to Nature,* (Parmentier, M, Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) **355,** 453
Fetal tissue research. Anomalies of tissue research, *Correspondence,* (Hayflick, L) **356,** 652
Fetal tissue: US senate votes to overturn research ban, *News,* (Anderson, C) **356,** 467
Researchers reject fetal tissue banks, *News,* (Anderson, C) **357,** 267
Fetal tissue, *Correspondence,* (Crutcher, K A, Everson, W) **357,** 432
Fetal tissue banks, *Correspondence,* (Byrne, J) **358,** 533
US muddles policy on fetal tissue, *Opinion,* **358,** 93
Clinton on science, *Opinion,* **360,** 92
Battle lines form over fetal tissue research, *News,* (Anderson, C) **355,** 189
Groups sue to end fetal tissue ban, *News,* (Anderson, C) **359,** 761
Needed: Fetal tissue research, *News and views,* (Culliton, B J) **355,** 295
Feynman, Richard. Genius: Richard Feynman and modern physics, *Book review by* Schweber, S S. **360,** 375
***ffh* gene.** The *E. coli ffh* gene is necessary for viability and efficient protein export, *Letter to Nature,* (Phillips, G J, Silhavy, T J) **359,** 744
Fibrin. Leukocyte accumulation promoting fibrin deposition is mediated in vivo by P-selectin on adherent platelets, *Letter to Nature,* (Palabrica, T, Lobb, R, Furie, B C, Aronovitz, M, Benjamin, C, Hsu, Y-M, Sajer, S A, Furie, B) **359,** 848
Fibrinolysis. Blood coagulation and fibrinolysis: An international journal in haemostasis and thrombosis, *Journal review,* (Heptinstall, S, Francis, J L, Gordon, S G) **359,** 447
Fibroblast growth factor. Involvement of $p21^{ras}$ in *Xenopus* mesoderm induction, *Letter to Nature,* (Whitman, M, Melton, D A) **357,** 252
Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca^{2+} flux but not mitogenesis, *Letter to Nature,* (Peters, K G, Marie, J, Wilson, E, Ives, H E, Escobedo, J, Del Rosario, M, Mirda, D, Williams, L T) **358,** 678
Point mutation in FGF receptor eliminates phosphatidylinositol hydrolysis without affecting mitogenesis, *Letter to Nature,* (Mohammadi, M, Dionne, C A, Li, W, Li, N, Spivak, T, Honegger, A M, Jaye, M, Schlessinger, J) **358,** 681
Structure of hisactophilin is similar to interleukin-1β and fibroblast growth factor, *Letter to Nature,* (Habazettl, J, Gondol, D, Wiltscheck, R, Otlewski, J, Schleicher, M, Holak, T A) **359,** 885
Field ion microscopy. Atomic replacement and vacancy formation and annihilation on iridium surfaces, *Letter to Nature,* (Tsong, T T, Chen, C-L) **355,** 328
Fifth force. Six years of the fifth force, *Review article,* (Fischbach, E, Talmadge, C) **356,** 207
Filchner-Ronne ice shelf. Evidence for basal marine ice in the Filchner-Ronne ice shelf, *Letter to Nature,* (Oerter, H, Kipfstuhl, J, Determann, J, Miller, H, Wagenbach, D, Minikin, A, Graf, W) **358,** 399
Fischer, Edmond. Nobel Prize given for work on protein phosphorylation, *News,* (Anderson, C) **359,** 570
Fish. Neural nets in electric fish, *Book review by* Westby, M. **355,** 780
Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes, *Letter to Nature,* (Sturmbauer, C, Meyer, A) **358,** 578
Marine biology: A phantom of the ocean, *News and views,* (Smayda, T J) **360,** 768
New 'phantom' dinoflagellate is the causative agent of major estuarine fish kills, *Letter to Nature,* (Burkholder, J-A M, Noga, E J, Hobbs, C H, Glasgow Jr, H B) **360,** 768
Tickled by light, *News and views,* **357,** 17
The ecology of fishes on coral reefs, *Book review by* Petersen, C W. **357,** 551
Current communication, *News and views,* **358,** 110
Physiological and behavioural thermoregulation in bigeye tuna (*Thunnus obesus*), *Letter to Nature,* (Holland, K N, Brill, R W, Chang, R K C, Sibert, J R, Fournier, D A) **358,** 410
Reviews in fish biology and fisheries, *Journal review,* (Blaxter, J H S, Pitcher, T J) **359,** 451
Mitotic domains in the early embryo of the zebrafish, *Letter to Nature,* (Kane, D A, Warga, R M, Kimmel, C B) **360,** 735
Fisheries. Climate variability, climate change and fisheries, *Book review by* Shepherd, J G. **358,** 292
Reviews in fish biology and fisheries, *Journal review,* (Blaxter, J H S, Pitcher, T J) **359,** 451
FK506-binding protein. High brain densities of the immunophilin FKBP colocalized with calcineurin, *Letter to Nature,* (Steiner, J P, Dawson, T M, Fotuhi, M, Glatt, C E, Snowman, A M, Cohen, N, Snyder, S H) **358,** 584
FK506. FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature,* (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692
Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, *Letter to Nature,* (Clipstone, N A, Crabtree, G R) **357,** 695
Calcineurin mediates inhibition by FK506 and cyclosporin of recovery from α-factor arrest in yeast, *Letter to Nature,* (Foor, F, Parent, S A, Morin, N, Dahl, A M, Ramadan, N, Chrebet, G, Bostian, K A, Nielsen, J B) **360,** 682
Flagella. Stabilization of sea urchin flagellar microtubules by histone H1, *Article,* (Multigner, L, Gagnon, J, Van Dorsselaer, A, Job, D) **360,** 33
Flanders, science. Belgian science: Battlefield in Flanders over funding, *News,* (Aldhous, P) **355,** 579
Flies. The making of a fly: The genetics of animal design, *Book review by* Rubin, G M. **357,** 123
Flight. Wing bone stresses in free flying bats and the evolution of skeletal design for flight, *Letter to Nature,* (Swartz, S M, Bennett, M B, Carrier, D R) **359,** 726
Flood basalts. Flood basalts: Melting of wet lithosphere, *News and views,* (Carlson, R W) **358,** 20
Dehydration melting and the generation of continental flood basalts, *Letter to Nature,* (Gallagher, K, Hawkesworth, C) **358,** 57
Evidence from Re-Os isotopes for plume-lithosphere mixing in Karoo flood basalt genesis, *Letter to Nature,* (Ellam, R M, Carlson, R W, Shirey, S B) **359,** 718
Flower colours. Structural basis of blue-colour development in flower petals from *Commelina communis*, *Letter to Nature,* (Kondo, T, Yoshida, K, Nakagawa, A, Kawai, T, Tamura, H, Goto, T) **358,** 515
Flower development. Molecular characterization of the *Arabidopsis* floral homeotic gene *APETALA1*, *Letter to Nature,* (Mandel, M A, Gustafson-Brown, C, Savidge, B, Yanofsky, M F) **360,** 273
Flue gases. Absorption of flue gases by water, *Scientific correspondence,* (Radojevic, M, Tressider, D A) **356,** 391
Fluid dynamics. Vortices on accretion disks, *Letter to Nature,* (Abramowicz, M A, Lanza, A, Spiegel, E A, Szuszkiewicz, E) **356,** 41
Numerical calculations of fast dynamos in smooth velocity fields with realistic diffusion, *Letter to Nature,* (Galloway, D J, Proctor, M R E) **356,** 691
Loss of homogeneity in a suspension by kinematic action, *Letter to Nature,* (Goldshtik, M, Husain, H S, Hussain, F) **357,** 141
Instability and reconnection in the head-on collision of two vortex rings, *Letter to Nature,* (Lim, T T, Nickels, T B) **357,** 225
Melt dynamics: Convection brought to a focus, *News and views,* (Loper, D) **359,** 364
The planform of compositional convection and chimney formation in a mushy layer, *Letter to Nature,* (Tait, S, Jahrling, K, Jaupart, C) **359,** 406
Fluid flow, crustal. Alleghenian age of the Upper Mississippi Valley zinc-lead deposit determined by Rb-Sr dating of sphalerite, *Letter to Nature,* (Brannon, J C, Podosek, F A, McLimans, R K) **356,** 509
Evidence from magnetic fabric for the flow pattern of magma in the Mackenzie giant radiating dyke swarm, *Letter to Nature,* (Ernst, R E, Baragar, W R A) **356,** 511
Geochemistry: Tracing great fluid migrations, *News and views,* (Sverjensky, D A, Garven, G) **356,** 481
Fluid flow. Material flux and porosity changes during sediment diagenesis, *Letter to Nature,* (Gluyas, J, Coleman, M) **356,** 52
Fluid mechanics. Materials science: The structure of smart fluids, *News and views,* (Whittle, M, Bullough, W A) **358,** 373
Fluids, crust. Deep heat, *News and views,* **355,** 302
Fluorescence detection. Stable dye-DNA intercalation complexes as reagents for high-sensitivity fluorescence detection, *Product review,* (Glazer, A N, Rye, H S) **359,** 859
Fluorine. Nucleosynthesis: Flashing giants forge fluorine, *News and views,* (Mathews, G J) **359,** 18
Flux dynamics, superconductivity. Real-time imaging of the magnetic flux distribution in superconducting $YBa_2Cu_3O_{7-\delta}$, *Letter to Nature,* (Durán, C A, Gammel, P L, Wolfe, R, Fratello, V J, Bishop, D J, Rice, J P, Ginsberg, D M) **357,** 474
Flux lattices. Real-time observation of vortex lattices in a superconductor by electron microscopy, *Letter to Nature,* (Harada, K, Matsuda, T, Bonevich, J, Igarashi, M, Kondo, S, Pozzi, G, Kawabe, U, Tonomura, A) **360,** 51
Food and Drug Administration. Panelist cries foul, *News,* (Anderson, C) **355,** 755
Food production. Population crisis, *Correspondence,* (Marshall, A) **355,** 291
Food safety, US. Bovine growth hormone meets new safety concerns, *News,* (Gershon, D) **358,** 614
Chefs forswear genetically altered food, *News,* (Anderson, C) **359,** 8
Altered food, *Correspondence,* (Miller, H I, Brigham, J J) **360,** 101
Watch that dog!, *Correspondence,* (Jukes, T H) **360,** 292
Food safety. Delaney's revenge: Court rejects US approach to assessing cancer risks in processed foods, *News,* (Anderson, C) **358,** 181
Multiplicity of migrants, *Commentary,* (Katan, L L) **358,** 183
Trade and environment, *Opinion,* **359,** 174
More on legumes, *Correspondence,* (Bhat, R V, Raghuram, T C) **360,** 505
Food web. Interactions between food-web structure and nutrients on pond organisms, *Letter to Nature,* (Leibold, M A, Wilbur, H M) **360,** 341
Food webs. Stable isotope evidence for entry of sewage-derived organic material into a deep-sea food web, *Letter to Nature,* (Van Dover, C L, Grassle, J F, Fry, B, Garritt, R H, Starczak, V R) **360,** 153
Ecology: Frog ponds and ocean iron, *News and views,* (Pimm, S L) **360,** 298
Food-web analysis through field measurement of per capita interaction strength, *Letter to Nature,* (Paine, R T) **355,** 73
Ecology: Feeble links in food webs, *News and views,* (Lawton, J H) **355,** 19
Food, genetically engineered. Genetically engineered foods get green light, *News,* (Gershon, D) **357,** 352
Food, *Vicia sativa*. A mess of red pottage, *Commentary,* (Tate, M E, Enneking, D) **359,** 357
Foraging. Foraging behaviour of emperor penguins as a resource detector in winter and summer, *Letter to Nature,* (Ancel, A, Kooyman, G L, Ponganis, P J, Gendner, J-P, Lignon, J, Mestre, X, Huin, N, Thorson, P H, Robisson, P, Le Maho, Y) **360,** 336

Foreign scientists. Brazilian universities: Soviet immigrants trigger debate, *News*, (Bonalume, R) **355,** 758
Foreign travel, Russia. Russian roulette?, *Opinion*, **355,** 284
Forensic science. DNA fingerprinting: Academy approves, critics still cry foul, *News*, (Anderson, C) **356,** 552
Forensic use of PCR in Italy, *Correspondence*, (Fiori, A, Pascali, V L) **356,** 471
Interpreting DNA fingerprints, *Scientific correspondence*, (Brookfield, J) **356,** 483
FBI's case for genetics, *Correspondence*, (Hicks, J H) **357,** 355
Court-appointed scientists provide technical expertise, *News*, (Watson, T) **358,** 702
Genetic information: Challenge to British forensic database, *News*, (Aldhous, P) **355,** 191
DNA profiling: Law and probabilities, *News and views*, (Brookfield, J) **355,** 207
DNA fingerprinting: FBI gives in on genetics, *News*, (Anderson, C) **355,** 663
DNA profiling and the police, *Correspondence*, (Sheard, B) **355,** 667
Forest decline. More questions on forest decline, *Scientific correspondence*, (Simonaitis, R, Olszyna, K J, Meagher, J F) **355,** 402
Forest fires. Forest fires, sandpiles and the like, *News and views*, (Maddox, J) **359,** 359
Forestry, Poland. Blighted woodlands: Environment project in Poland, *News*, (Land, T) **355,** 580
Forests, carbon dioxide response. Productivity and compensatory responses of yellow-poplar trees in elevated CO_2, *Letter to Nature*, (Norby, R J, Gunderson, C A, Wullschleger, S D, O'Neill, E G, McCracken, M K) **357,** 322
Forests, Siberia. Siberia's threatened forests, *Commentary*, (Rosencranz, A, Scott, A) **355,** 293
Fos protein. Nuclear factor of activated T cells contains Fos and Jun, *Letter to Nature*, (Jain, J, McCaffrey, P G, Valge-Archer, V E, Rao, A) **356,** 801
Fossil. Taphonomy: Releasing the data locked in the fossil record, *Book review by* Palmer, D. **357,** 453
Palaeontology: In the Grube in the Eocene, *News and views*, (Krishtalka, L) **355,** 296
Palaeoanthropology: A remote sense for fossils, *News and views*, (Wood, B) **355,** 397
Fossilized eggs from Illinois, *Scientific correspondence*, (Godfrey, S J) **356,** 21
All spruced up, *News and views*, **356,** 563
Palaeontology: Something completely different, *News and views*, (Gee, H) **358,** 456
Fractals. 'Peacock' viscous fingers, *Scientific correspondence*, (García-Ruiz, J M) **356,** 113
Nonlinear prediction as a way of distinguishing chaos from random fractal sequences, *Letter to Nature*, (Tsonis, A A, Elsner, J B) **358,** 217
Chaos, solitons and fractals: Applications in science and engineering, *Journal review*, (Shlesinger, M, El Naschie, M S) **359,** 453
Framework. Doubts grow faster than budget in new Framework plan, *News*, (Abbott, A) **359,** 471
France, Academy of Sciences. Science under control: The French Academy of Sciences 1795-1914, *Book review by* Gillispie, C C. **357,** 652
France, blood scandal. France's blood scandal draws blood, *Opinion*, **359,** 759
Verdict in French blood trial shames science, *News*, (Butler, D) **359,** 764
France, nuclear weapons. Europe's lesser nuclear powers in flux, *Opinion*, **355,** 283
France, protests. Protest by barricade, *Opinion*, **358,** 93
France, research commercialization. French commercialisation: New company to target technology transfer, *News*, (Bakewell, D) **356,** 275
France, research funding. French increase ties with industry but researchers still face hurdles, *News*, (Butler, D) **358,** 531
Science fares well in tight 1993 French budget, *News*, (Butler, D) **359,** 568
France, research. French research: Publish in English, or perish?, *News*, (Bakewell, D) **356,** 648
France, space research. Drastic changes called for in French space programme, *News*, (Butler, D) **359,** 659
France-India, vaccination project. Polio vaccine: French-Indian project in jeopardy, *News*, (Jayaraman, K S) **356,** 94
France-UK collaboration. British say Pasteur Institute slighted their help on AIDS test, *News*, (Seytre, B) **358,** 358
Fraud, scientific. Scientific misconduct: FBI investigating NIH leaks, *News*, (Anderson, C) **356,** 186
Change in fraud review proposed, *News and views*, (Culliton, B J) **356,** 191
NIH laboratory admits to fabricated embryo research, retracts paper, *News*, (Anderson, C) **357,** 427
US realigns misconduct offices at NIH, *News*, (Anderson, C) **357,** 431
Reflections of a whistle-blower, *Commentary*, (Rossiter, E J R) **357,** 434
US drops Imanishi-Kari investigation; Baltimore withdraws *Cell* retraction, *News*, (Anderson, C, Watson, T) **358,** 177
'Blue ostriches' captured, *Correspondence*, (Tobias, P V, Dowson, T A, Lewis-Williams, J D) **358,** 185
How rare is rare?, *Correspondence*, (Tessman, I) **358,** 365
Leeds disunited, *Opinion*, **357,** 614
More on Gallo and Popovic, *News and views*, (Maddox, J) **357,** 107
Gallo and Popovic lawyers reply, *News and views*, (Culliton, B J) **357,** 109
Impure science: Fraud, compromise and political influence in scientific research, *Book review by* Mervis, J. **357,** 374
Scientific misconduct: Tragedy revealed in Zurich, *News*, (Aldhous, P) **355,** 577
Motive to sin, *Correspondence*, (Katz, J) **359,** 769
Stealing into Print: Fraud, Plagiarism, and Misconduct in Scientific Publishing, *Book review by* Mervis, J. **359,** 787
Free trade. Bashing Japan/Bashing America, *Opinion*, **355,** 187
Freezing. Acceleration of the rate of nitrite oxidation by freezing in aqueous solution, *Letter to Nature*, (Takenaka, N, Ueda, A, Maeda, Y) **358,** 736
Ice-crystal growth and lectins, *Scientific correspondence*, (Rubinsky, B, Coger, R, Ewart, K V, Fletcher, G L) **360,** 113
Fresnel lenses. Atom optics: Atoms brought to a new focus, *News and views*, (Foot, C) **355,** 303
FtsZ protein. *Escherichia coli* cell-division gene *ftsZ* encodes a novel GTP-binding protein, *Letter to Nature*, (RayChaudhuri, D, Park, J T) **359,** 251
The essential bacterial cell-division protein FtsZ is a GTPase, *Letter to Nature*, (de Boer, P, Crossley, R, Rothfield, L) **359,** 254
Fuels. Future fuels, *Correspondence*, (Fyfe, W S) **355,** 10
Fukuyama, Francis. Science and the theory of history, *Opinion*, **356,** 271
Fullerenes, chemical reactions. No lubricants from fluorinated C_{60}, *Scientific correspondence*, (Taylor, R, Avent, A G, Dennis, T J, Hare, J P, Kroto, H W, Walton, D R M, Holloway, J H, Hope, E G, Langley, G J) **355,** 27
Fullerenes, compounds. Intercalation of solid C_{60} with iodine, *Letter to Nature*, (Zhu, Q, Cox, D E, Fischer, J E, Kniaz, K, McGhie, A R, Zhou, O) **355,** 712
Fullerenes, doped. Structural and electronic properties of sodium-intercalated C_{60}, *Letter to Nature*, (Rosseinsky, M J, Murphy, D W, Fleming, R M, Tycko, R, Ramirez, A P, Siegrist, T, Dabbagh, G, Barrett, S E) **356,** 416
Superconductivity in sodium- and lithium-containing alkali-metal fullerides, *Letter to Nature*, (Tanigaki, K, Hirosawa, I, Ebbesen, T W, Mizuki, J, Shimakawa, Y, Kubo, Y, Tsai, J S, Kuroshima, S) **356,** 419
Fullerene superconductors: Back to the drawing board, *News and views*, (Stephens, P W) **356,** 383
Doping of C_{60} with iodine, *Scientific correspondence*, (Ohno, T R, Kroll, G H, Weaver, J H, Chibante, L P F, Smalley, R E) **355,** 401
Fullerenes, ions. Magic numbers and stable structures for fullerenes, fullerides and fullerenium ions, *Letter to Nature*, (Fowler, P W, Manolopoulos, D E) **355,** 428
Fullerenes, metal encapsulation. Encapsulation of a scandium trimer in C_{82}, *Letter to Nature*, (Shinohara, H, Sato, H, Ohkohchi, M, Ando, Y, Kodama, T, Shida, T, Kato, T, Saito, Y) **357,** 52
Fullerenes, superconductivity. Structural and electronic properties of sodium-intercalated C_{60}, *Letter to Nature*, (Rosseinsky, M J, Murphy, D W, Fleming, R M, Tycko, R, Ramirez, A P, Siegrist, T, Dabbagh, G, Barrett, S E) **356,** 416
Superconductivity in sodium- and lithium-containing alkali-metal fullerides, *Letter to Nature*, (Tanigaki, K, Hirosawa, I, Ebbesen, T W, Mizuki, J, Shimakawa, Y, Kubo, Y, Tsai, J S, Kuroshima, S) **356,** 419
Fullerene superconductors: Back to the drawing board, *News and views*, (Stephens, P W) **356,** 383
Superconductivity at 8.4K in calcium-doped C_{60}, *Letter to Nature*, (Kortan, A R, Kopylov, N, Glarum, S, Gyorgy, E M, Ramirez, A P, Fleming, R M, Thiel, F A, Haddon, R C) **355,** 529
Infrared reflectivity measurements of a superconducting energy scale in Rb_3C_{60}, *Letter to Nature*, (Rotter, L D, Schlesinger, Z, McCauley, J P, Cousiel, N, Fischer, J E, Smith, A B) **355,** 532
Isotope effect on superconductivity in Rb_3C_{60}, *Letter to Nature*, (Ebbesen, T W, Tsai, J S, Tanigaki, K, Tabuchi, J, Shimakawa, Y, Kubo, Y, Hirosawa, I, Mizuki, J) **355,** 620
Fullerenes. Optical limiting performance of C_{60} and C_{70} solutions, *Letter to Nature*, (Tutt, L W, Kost, A) **356,** 225
Buckminsterfullerene: Optics beyond the limits, *News and views*, (Heflin, J R, Garito, A F) **356,** 192
Photoconductivity of fullerene-doped polymers, *Letter to Nature*, (Wang, Y) **356,** 585
C_{60} structure brought into view, *News and views*, (Pease, R) **356,** 383
NMR characterization of isomers of C_{76}, C_{82} and C_{84} fullerenes, *Letter to Nature*, (Kikuchi, K, Nakahara, N, Wakabayashi, T, Suzuki, S, Shiromaru, H, Miyake, Y, Saito, K, Ikemoto, I, Kainosho, M, Achiba, Y) **357,** 142
Preparation and characterization of $C_{60}Br_6$ and $C_{60}Br_8$, *Letter to Nature*, (Birkett, P R, Hitchcock, P B, Kroto, H W, Taylor, R, Walton, D R M) **357,** 479
Buckminsterfullerene: C_{60} chemistry expands, *News and views*, (Lindoy, L F) **357,** 443
Large-scale synthesis of carbon nanotubes, *Letter to Nature*, (Ebbesen, T W, Ajayan, P M) **358,** 220
Fullerenes: Down the straight and narrow, *News and views*, (Dresselhaus, M S) **358,** 195
Coalescence reactions of fullerenes, *Letter to Nature*, (Yeretzian, C, Hansen, K, Diederich, F, Whetten, R L) **359,** 44
Curling and closure of graphitic networks under electron-beam irradiation, *Letter to Nature*, (Ugarte, D) **359,** 707
Carbon onions introduce new flavour to fullerene studies, *News and views*, (Kroto, H W) **359,** 670
Early nanotubes?, *Scientific correspondence*, (Gibson, J A E) **359,** 369
Superconductivity in barium fulleride, *Letter to Nature*, (Kortan, A R, Kopylov, N, Glarum, S, Gyorgy, E M, Ramirez, A P, Fleming, R M, Zhou, O, Thiel, F A, Trevor, P L, Haddon, R C) **360,** 566
Intercalation of sodium heteroclusters into the C_{60} lattice, *Letter to Nature*, (Yildirim, T, Zhou, O, Fischer, J E, Bykovetz, N, Strongin, R A, Cichy, M A, Smith, A B III, Lin, C L, Jelinek, R) **360,** 568
Squeezing diamond from fullerenes, *News and views*, (Ball, P) **355,** 205
Energetics of negatively curved graphitic carbon, *Letter to Nature*, (Lenosky, T, Gonze, X, Teter, M, Elser, V) **355,** 333
Crushing C_{60} to diamond at room temperature, *Letter to Nature*, (Regueiro, M N, Monceau, P, Hodeau, J-L) **355,** 237
The structure of the C_{76} molecule, *Letter to Nature*, (McKenzie, D R, Davis, C A, Cockayne, D J H, Muller, D A, Vassallo, A M) **355,** 622
Electron paramagnetic resonance studies of lanthanum-containing C_{82}, *Letter to Nature*, (Johnson, R D, de Vries, M S, Salem, J, Bethune, D S, Yannoni, C S) **355,** 239
Lattice structure of the fullerene ferromagnet $TDAE\text{-}C_{60}$, *Letter to Nature*, (Stephens, P W, Cox, D, Lauher, J W, Mihaly, L, Wiley, J B, Allemand, P-M, Hirsch, A, Holczer, K, Li, Q, Thompson, J D, Wudl, F) **355,** 331
C_{70} separation on coal, *Scientific correspondence*, (Wilson, M A, Pang, L S K, Vassallo, A M) **355,** 117
High-pressure physics: Make or break with fullerenes, *News and views*, (Duclos, S) **359,** 479
Fungi. The fungus *Armillaria bulbosa* is among the largest and oldest living organisms, *Letter to Nature*, (Smith, M L, Bruhn, J N, Anderson, J B) **356,** 428
Mycology: A champion thallus, *News and views*, (Brasier, C) **356,** 382
The great fungus, *Opinion*, **357,** 179
Fungal physiology: Yeast branches out, *News and views*, (Herskowitz, I) **357,** 190
Furin. Inhibition of furin-mediated cleavage activation of HIV-1 glycoprotein gp160, *Letter to Nature*, (Hallenberger, S, Bosch, V, Angliker, H, Shaw, E, Klenk, H-D, Garten, W) **360,** 358
***Fusarium solani* cutinase structure.** *Fusarium solani* cutinase is a lipolytic enzyme with a catalytic serine accessible to solvent, *Letter to Nature*, (Martinez, C, De Geus, P, Lauwereys, M, Matthyssens, G, Cambillau, C) **356,** 615
***fushi tarazu* protein.** Homeodomain-independent activity of the *fushi tarazu* polypeptide in *Drosophila* embryos, *Letter to Nature*, (Fitzpatrick, V D, Percival-Smith, A, Ingles, C J, Krause, H M) **356,** 610
Fusion proteins. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion, *Letter to Nature*, (Blobel, C P, Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) **356,** 248
Cell biology: A family of fusion proteins, *News and views*, (Aitken, J) **356,** 196
US magnetic fusion: The best machine for the money, *News*, (Mervis, J) **356,** 96
US magnetic fusion: Fusion on $2 a day, *News*, (Anderson, C) **356,** 96
Fusion research. Japan fusion: A steady course towards the next tokamak, *News*, (Swinbanks, D) **356,** 468
Helical fusion machine on course, *News*, (Swinbanks, D) **356,** 468
Fusion reactor finds delay is price of global cooperation, *News*, (Kramer, D) **358,** 269
Physics centre threatened, *News*, (Watson, T) **360,** 503
Fuzzy logic. Fuzzy Systems Theory and its Applications, *Book review by* Mamdani, E H. **359,** 788
G protein-coupled receptors. Hormonal stimulation of adenylyl cyclase through G_i-protein ßp subunits, *Letter to Nature*, (Federman, A D, Conklin, B R, Schrader, K A, Reed, R R, Bourne, H R) **356,** 159
Expression of members of the putative olfactory receptor gene family in mammalian germ cells, *Letter to Nature*, (Parmentier, M, Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) **355,** 453
Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins, *Letter to Nature*, (Nicholas, J, Cameron, K R, Honess, R W) **355,** 362
G proteins. Action of brefeldin A blocked by activation of a pertussis-toxin-sensitive G protein, *Letter to Nature*, (Ktistakis, N T, Linder, M E, Roth, M G) **356,** 344
Regulation of deactivation of photoreceptor G protein by its target enzyme and cGMP, *Letter to Nature*, (Arshavsky, V Y, Bownds, M D) **357,** 416
Gustducin is a taste-cell-specific G protein closely related to the transducins, *Article*, (McLaughlin, S K, McKinnon, P J, Margolskee, R F) **357,** 563
Antisense oligodeoxynucleotides to G_i protein α-subunit sequence accelerate differentiation of fibroblasts to adipocytes, *Letter to Nature*, (Wang, H-y, Watkins, D C, Malbon, C C) **358,** 334
G proteins: The target sets the tempo, *News and views*, (Bourne, H R, Stryer, L) **358,** 541

Isozyme-selective stimulation of phospholipase C-ß2 by G protein ßγ-subunits, *Letter to Nature*, (Camps, M, Carozzi, A, Schnabel, P, Scheer, A, Parker, P J, Gierschik, P) **360,** 684

Subunits ßγ of heterotrimeric G protein activate ß2 isoform of phospholipase C, *Letter to Nature*, (Katz, A, Wu, D, Simon, M I) **360,** 686

G-protein-coupled receptors. Rhodopsin inactivation is a modulated process in *Limulus* photoreceptors, *Letter to Nature*, (Richard, E A, Lisman, J E) **356,** 336

Molecular cloning of the receptor for human antidiuretic hormone, *Letter to Nature*, (Birnbaumer, M, Seibold, A, Gilbert, S, Ishido, M, Barberis, C, Antaramian, A, Brabet, P, Rosenthal, W) **357,** 333

Cloning and characterization of a vasopressin V2 receptor and possible link to nephrogenic diabetes insipidus, *Letter to Nature*, (Lolait, S J, O'Carroll, A-M, McBride, O W, Konig, M, Morel, A, Brownstein, M J) **357,** 336

Peptide receptors: Stepping up the pressure, *News and views*, (Sharif, M, Hanley, M R) **357,** 279

Different ß-subunits determine G-protein interaction with transmembrane receptors, *Letter to Nature*, (Kleuss, C, Scherübl, H, Hescheler, J, Schultz, G, Wittig, B) **358,** 424

G proteins: The subunit story thickens, *News and views*, (Lefkowitz, R J) **358,** 372

Phosducin is a protein kinase A-regulated G-protein regulator, *Letter to Nature*, (Bauer, P H, Müller, S, Puzicha, M, Pippig, S, Obermaier, B, Helmreich, E J M, Lohse, M J) **358,** 73

Lipid modification at the N terminus of photoreceptor G-protein α-subunit, *Letter to Nature*, (Kokame, K, Fukada, Y, Yoshizawa, T, Takao, T, Shimonishi, Y) **359,** 749

Visual differences, *News and views*, (Casey, P) **359,** 671

Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases, *Letter to Nature*, (Inglese, J, Koch, W J, Caron, M G, Lefkowitz, R J) **359,** 147

Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth, *Letter to Nature*, (Lin, C, Lin, S-C, Chang, C-P, Rosenfeld, M G) **360,** 765

G7 summit. Ducking big problems is cowardly, *Opinion*, **358,** 175

Why the recession is still here, *Opinion*, **357,** 1

Galactic Centre. Origin of the hot gas and radio blobs at the Galactic Centre, *Letter to Nature*, (Wardle, M, Yusef-Zadeh, F) **357,** 308

Extreme gas pressures in the galactic bulge, *Letter to Nature*, (Spergel, D N, Blitz, L) **357,** 665

A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942, *Letter to Nature*, (Mirabel, I F, Rodríguez, L F, Cordier, B, Paul, J, Lebrun, F) **358,** 215

High-energy astronomy: The big accelerator in the sky, *News and views*, (Phinney, E S) **358,** 189

Galactic centre: Hard-pressed molecular clouds, *News and views*, (Morris, M) **357,** 640

The case against a massive black hole at the Galactic Centre, *Letter to Nature*, (Sanders, R H) **359,** 131

Milky Way: Will the real Galactic Centre please stand up?, *News and views*, (Ho, P T P) **355,** 495

Spatially resolved near-infrared emission and a bubble of hot gas in the central active region of the Galaxy, *Letter to Nature*, (Eckart, A, Genzel, R, Krabbe, A, Hofmann, R, van der Werf, P P, Drapatz, S) **355,** 526

Galactic evolution. Is beryllium in metal-poor stars of galactic or cosmological origin?, *Article*, (Gilmore, G, Gustafsson, B, Edvardsson, B, Nissen, P E) **357,** 379

Big Bang contd.., *Scientific correspondence*, (Arp, H C, Burbidge, G, Hoyle, F, Narlikar, J V) **357,** 287

Big Bang contd.. : reply, *Scientific correspondence*, (Peebles, P J E, Turner, E C, Schramm, D N, Kron, R G) **357,** 288

Starbursts in the nuclei of shell galaxies, *Letter to Nature*, (Hernquist, L, Weil, M L) **358,** 734

Faint galaxies: evolution and cosmological curvature, *Letter to Nature*, (Broadhurst, T J, Ellis, R S, Glazebrook, K) **355,** 55

Galactic halo, gamma-ray bursts. Gamma-ray bursts in the galactic halo, *Letter to Nature*, (Brainerd, J J) **355,** 522

Galactic mergers. Riding along, *News and views*, **359,** 194

Galactic plasma. Distribution of plasma turbulence in our Galaxy derived from radio scintillation maps, *Letter to Nature*, (Hajivassiliou, C A) **355,** 232

Galactic structure. Optical thickness of galaxies, *Scientific correspondence*, (Disney, M) **356,** 114

Optical thickness of galaxies: Reply, *Scientific correspondence*, (Burstein, D, Haynes, M P, Faber, S M) **356,** 114

Cosmology: Cold dark matter under a cloud, *News and views*, (Binney, J) **358,** 104

Direct measurement of the optical depth in a spiral galaxy, *Letter to Nature*, (White, R E III, Keel, W C) **359,** 129

Counter-rotating gaseous disks in the "Evil Eye" galaxy NGC4826, *Letter to Nature*, (Braun, R, Walterbos, R A M, Kennicutt, R C Jr) **360,** 442

Erratum: Direct measurement of the optical depth in a spiral galaxy, *Letter to Nature*, (White, R E III, Keel, W C) **359,** 655

How to give a galaxy a black eye, *News and views*, (Quinn, P J) **360,** 418

Magnetic fields as an alternative explanation for the rotation curves of spiral galaxies, *Letter to Nature*, (Battaner, E, Garrido, J L, Membrado, M, Florido, E) **360,** 652

The Andromeda Galaxy, *Book review by* Edmunds, M G. **360,** 546

Spatially resolved near-infrared emission and a bubble of hot gas in the central active region of the Galaxy, *Letter to Nature*, (Eckart, A, Genzel, R, Krabbe, A, Hofmann, R, van der Werf, P P, Drapatz, S) **355,** 526

Galactose. Engineering galactose-binding activity into a C-type mannose-binding protein, *Letter to Nature*, (Drickamer, K) **360,** 183

Galactosyltransferase. Complementarity between sperm surface ß-1,4-galactosyl-transferase and egg-coat ZP3 mediates sperm-egg binding, *Letter to Nature*, (Miller, D J, Macek, M B, Shur, B D) **357,** 589

Galapagos archipelago. Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246

Galapagos islands. Evolutionary biology: The Galapagos that were, *News and views*, (Carson, H L) **355,** 202

Galaxies, molecular gas. Molecular gas content of the primaeval galaxy IRAS 10214+4724, *Letter to Nature*, (Solomon, P M, Radford, S J E, Downes, D) **356,** 318

Galaxy evolution. Rates of collapse and evaporation of globular clusters, *Letter to Nature*, (Hut, P, Djorgovski, S) **359,** 806

Ecology of globular clusters, *News and views*, (Heggie, D C) **359,** 772

Astronomy: Phoenix galaxies, *News and views*, (Hernquist, L) **360,** 105

Astronomy: Fast process, slow progress, *News and views*, (Edmunds, M G) **360,** 302

Galaxy formation. Anisotropy measurements of the cosmic microwave background radiation at intermediate angular scales, *Article*, (Watson, R A, Gutierrez de la Cruz, C M, Davies, R D, Lasenby, A N, Rebolo, R, Beckman, J E, Hancock, S) **357,** 660

A photoionization instability in the early intergalactic medium, *Letter to Nature*, (Hogan, C J) **359,** 40

Galaxy formation: Struggling with hieroglyphics, *News and views*, (Blitz, L) **360,** 21

Formation of dwarf galaxies in tidal tails, *Letter to Nature*, (Barnes, J E, Hernquist, L) **360,** 717

Galileo's lenses. Optical tests of Galileo's lenses, *Commentary*, (Greco, V, Molesini, G, Quercioli, F) **358,** 101

Eppur si non muove, *Opinion*, **360,** 2

Wrong book, *Correspondence*, (Wyman, R J) **360,** 405

In the wake of Galileo, *Book review by* Naylor, R. **355,** 597

Gallo, Robert. NIH report vindicates Gallo on conduct of AIDS research, *News*, (Culliton, B J) **357,** 3

The OSI on Crewdson on Gallo, *News*, (Culliton, B J) **357,** 4

Robert Gallo forced off NIH stage after HHS vetoes public briefing, *News*, (Culliton, B J) **358,** 3

More on Gallo and Popovic, *News and views*, (Maddox, J) **357,** 107

Gallo and Popovic lawyers reply, *News and views*, (Culliton, B J) **357,** 109

Game theory. Prisoner's dilemma: John von Neumann, game theory and the puzzle of the bomb, *Book review by* Shubik, M. **356,** 637

Tit for tat in heterogeneous populations, *Letter to Nature*, (Nowak, M A, Sigmund, K) **355,** 250

Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206

Gamma-ray astronomy. Discovery of soft X-ray pulsations from the gamma-ray source Geminga, *Letter to Nature*, (Halpern, J P, Holt, S S) **357,** 222

Pulsed high-energy gamma-radiation from Geminga (1E0630+178), *Letter to Nature*, (Bertsch, D L, Brazier, K T S, Fichtel, C E, Hartman, R C, Hunter, S D, Kanbach, G, Kniffen, D A, Kwok, P W, Lin, Y C, Mattox, J R, Mayer-Hasselwander, H A, Montigny, C v, Michelson, P F, Nolan, P L, Pinkau, K, Rothermel, H, Schneid, E J, Sommer, M, Sreekumar, P, Thompson, D J) **357,** 306

Gamma-ray astronomy: Geminga joins the class, *News and views*, (Bailyn, C D) **357,** 191

Geminga: new period, old gamma-rays, *Scientific correspondence*, (Bignami, G F, Caraveo, P A) **357,** 287

Detection of TeV photons from the active galaxy Markarian 421, *Letter to Nature*, (Punch, M, Akerlof, C W, Cawley, M F, Chantell, M, Fegan, D J, Fennell, S, Gaidos, J A, Hagan, J, Hillas, A M, Jiang, Y, Kerrick, A D, Lamb, R C, Lawrence, M A, Lewis, D A, Meyer, D I, Mohanty, G, O'Flaherty, K S, Reynolds, P T, Rovero, A C, Schubnell, M S, Sembroski, G, Weekes, T C, Whitaker, T, Wilson, C) **358,** 477

Gamma-ray astronomy: Catching photons from hell, *News and views*, (Halzen, F) **358,** 452

Pulsed high-energy γ-rays from the radio pulsar PSR1706-44, *Letter to Nature*, (Thompson, D J, Arzoumanian, Z, Bertsch, D L, Brazier, K T S, D'Amico, N, Fichtel, C E, Fierro, J M, Hartman, R C, Hunter, S D, Johnston, S, Kanbach, G, Kaspi, V M, Kniffen, D A, Lin, Y C, Lyne, A G, Manchester, R N, Mattox, J R, Mayer-Hasselwander, H A, Michelson, P F, Montigny, C v, Nel, H I, Nice, D, Nolan, P L, Pinkau, K, Rothermel, H, Schneid, E J, Sommer, M, Sreekumar, P, Taylor, J H) **359,** 615

Astronomy: A different kind of Universe, *News and views*, (Bignami, G F) **360,** 416

Compton Observatory: Gamma-ray power from 3C279, *News and views*, (Bignami, G F) **355,** 299

Gamma-ray bursters. Evidence for sub-millisecond structure in a γ-ray burst, *Letter to Nature*, (Bhat, P N, Fishman, G J, Meegan, C A, Wilson, R B, Brock, M N, Paciesas, W S) **359,** 217

Two-population model for the sources of ρ-ray bursts, *Letter to Nature*, (Lingenfelter, R E, Higdon, J C) **356,** 132

Any which way, *News and views*, **356,** 288

Necessity of evolution in cosmological ρ-ray bursts, *Letter to Nature*, (Fenimore, E E, Epstein, R I, Ho, C, Klebesadel, R W, Laros, J) **357,** 140

Can accretion onto isolated neutron stars produce gamma-ray bursts?, *Letter to Nature*, (Harding, A K, Leventhal, M) **357,** 388

Millisecond pulsars with extremely strong magnetic fields as a cosmological source of gamma-ray bursts, *Letter to Nature*, (Usov, V V) **357,** 472

Bright spark, *News and views*, **357,** 441

Gamma-ray bursts: Receding from our grasp, *News and views*, (Hurley, K) **357.** 112

Any which way: Correction, *News and views*, **357,** 199

Gamma-ray bursts: Spectral breaks for theorists, *News and views*, (Baring, M G) **358,** 624

Gamma-ray bursts: Puritans and cavaliers, *News and views*, (Bailyn, C) **359,** 478

Gamma-ray bursts from high-velocity neutron stars, *Letter to Nature*, (Li, H, Dermer, C D) **359,** 514

Gamma-ray bursts in the galactic halo, *Letter to Nature*, (Brainerd, J J) **355,** 522

Spatial distribution of gamma-ray bursts observed by BATSE, *Letter to Nature*, (Meegan, C A, Fishman, G J, Wilson, R B, Paciesas, W S, Pendleton, G N, Horack, J M, Brock, M N, Kouveliotou, C) **355,** 143

Estimating redshifts for gamma-ray bursts, *Letter to Nature*, (Paczynski, B) **355,** 521

Ganciclovir. Human cytomegalovirus *UL97* open reading frame encodes a protein that phosphorylates the antiviral nucleoside analogue ganciclovir, *Letter to Nature*, (Littler, E, Stuart, A, Chee, M S) **358,** 160

A protein kinase homologue controls phosphorylation of ganciclovir in human cytomegalovirus-infected cells, *Letter to Nature*, (Sullivan, V, Talarico, C L, Stanat, S C, Davis, M, Coen, D M, Biron, K K) **358,** 162

Gandhi, Rajiv. Rajiv Gandhi, *Correspondence*, (Raju, N P) **357,** 105

Gangliosides. Gangliomodulin?, *News and views*, **357,** 641

Gap junctions. Corrections: The *Drosophila* clock gene *per* affects intercellular junctional communication, *Article*, (Bargiello, T A, Saez, L, Baylies, M K, Gasic, G, Young, M W, Spray, D C) **360,** 610

Per - no link to gap junctions, *Scientific correspondence*, (Saez, L, Young, M W, Baylies, M K, Gasic, G, Bargiello, T A, Spray, D C) **360,** 542

Garbage, pollution. Garbage in paradise, *Scientific correspondence*, (France, R) **355,** 504

Gas leakage, UK. Gas leakage in United Kingdom, *Correspondence*, (Wallis, M K) **359,** 355

Gastroenterology. Viscous fingering of HCl through gastric mucin, *Letter to Nature*, (Bhaskar, K R, Garik, P, Turner, B S, Bradley, J D, Bansil, R, Stanley, H E, LaMont, J T) **360,** 458

Gates, Bill. Hard drive: Bill Gates and the making of the Microsoft empire, *Book review by* Oakley, B. **359,** 25

Correction: Hard drive: Bill Gates and the making of the microsoft empire, *Book review by* Oakley, B. **359,** 282

Gaucher's disease. Animal model of Gaucher's disease from targeted disruption of the mouse glucocerebrosidase gene, *Letter to Nature*, (Tybulewicz, V L J, Tremblay, M L, LaMarca, M E, Willemsen, R, Stubblefield, B K, Winfield, S, Zablocka, B, Sidransky, E, Martin, B M, Huang, S P, Mintzer, K A, Westphal, H, Mulligan, R C, Ginns, E I) **357,** 407

Geller, Uri. Psychics in court, *Opinion*, **355,** 284

Gels. Patterns in shrinking gels, *Letter to Nature*, (Tanaka, T, Matsuo, E S) **358,** 482

Super-absorbency and phase transition of gels in physiological salt solutions, *Letter to Nature*, (Zhang, Y -Q, Tanaka, T, Shibayama, M) **360,** 142

Polymers: Synthetic gels on the move, *News and views*, (Kajiwara, K, Ross-Murphy, S B) **355,** 208

A polymer gel with electrically driven motility, *Letter to Nature*, (Osada, Y, Okuzaki, H, Hori, H) **355,** 242

Multiple phases of polymer gels, *Letter to Nature*, (Annaka, M, Tanaka, T) **355,** 430

Gemini Project. Gemini telescope project shifts into high gear, *News*, (Mervis, J) **357,** 430

Gene conversion. A meiotic gene conversion gradient opposite to the direction of transcription, *Letter to Nature*, (Malone, R E, Bullard, S, Lundquist, S, Kim, S, Tarkowski, T) **359,** 154

Gene defects, human. Nature Genetics: Message in a bottle, *News and views*, (Davies, K) **360,** 90

Gene expression. Direct homeodomain-DNA interaction in the autoregulation of the *fushi tarazu* gene, *Letter to Nature*, (Schier, A F, Gehring, W J) **356,** 804

Microbial genetics: Sexual identity and smut, *News and views*, (Egel, R) **357,** 23

Homing of a DNA endonuclease gene by meiotic gene conversion in *Saccharomyces cerevisiae*, *Article*, (Gimble, F S, Thorner, J) **357,** 301

SW16 protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast, *Letter*

to Nature, (Lowndes, N F, Johnson, A L, Breeden, L, Johnston, L H) **357,** 505
Alterations in a yeast protein resembling HIV-*Tat*-binding protein relieve requirement for an acidic activation domain in GAL4, *Letter to Nature*, (Swaffield, J C, Bromberg, J F, Johnston, S A) **357,** 698; *Erratum*, **360,** 768
New human gene encoding a positive modulator of HIV Tat-mediated transactivation, *Letter to Nature*, (Shibuya, H, Irie, K, Ninomiya-Tsuji, J, Goebl, M, Taniguchi, T, Matsumoto, K) **357,** 700
Proto-*vav* and gene expression, *Scientific correspondence*, (Boguski, M S, Bairoch, A, Attwood, T K, Michaels, G) **358,** 113
Wild-type p53 activates transcription *in vitro*, *Letter to Nature*, (Farmer, G, Bargonetti, J, Zhu, H, Friedman, P, Prywes, R, Prives, C) **358,** 83
Control of RNase E-mediated RNA degradation by 5'terminal base pairing in *E. Coli*, *Letter to Nature*, (Bouvet, P, Belasco, J G) **360,** 488
Chromatin as an essential part of the transcriptional mechanism, *Review article*, (Felsenfeld, G) **355,** 219
Molecular biology: recA: from locus to lattice, *News and views*, (McEntee, K) **355,** 302
Gene expression: Dialogue with the cell cycle, *News and views*, (Andrews, B J) **355,** 393
Developmental switch of CREM function during spermatogenesis: from antagonist to activator, *Letter to Nature*, (Foulkes, N S, Mellström, B, Benusiglio, E, Sassone-Corsi, P) **355,** 80
Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature*, (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441
Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature*, (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446
Characterization of cDNA for the large subunit of the transcription initiation factor TFIIF, *Letter to Nature*, (Aso, T, Vasavada, A, Kawaguchi, T, Germino, F J, Ganguly, S, Kitajima, S, Weissman, S M, Yasukochi, Y) **355,** 461
A cDNA encoding RAP74, a general initiation factor for transcription by RNA polymerase II, *Letter to Nature*, (Finkelstein, A, Kostrub, C F, Li, J, Chavez, D P, Wang, B Q, Fang, S M, Greenblatt, J, Burton, Z F) **355,** 464
Allosteric underwinding of DNA is a critical step in postive control of transcription by Hg-MerR, *Letter to Nature*, (Ansari, A Z, Chael, M L, O'Halloran, T V) **355,** 87
DNA twisting and the effects of non-contacted bases on affinity of 434 operator for 434 repressor, *Letter to Nature*, (Koudelka, G B, Carlson, P) **355,** 89
9-*Cis* retinoic acid stereoisomer binds and activates the nuclear receptor RXRα, *Letter to Nature*, (Levin, A A, Sturzenbecker, L J, Kazmer, S, Bosakowski, T, Huselton, C, Allenby, G, Speck, J, Kratzeisen, Cl, Rosenberger, M, Lovey, A, Grippo, J F) **355,** 359
Crisscross regulation of cell-type-specific gene expression during development in *B. subtilis*, *Review article*, **355,** 601

Gene flow. Gene-for-gene coevolution between plants and parasites, *Review article*, (Thompson, J N, Burdon, J J) **360,** 121

Gene function. Loss of gene function through rapid mitotic cycles in the *Drosophila* embryo, *Letter to Nature*, (Rothe, M, Pehl, M, Taubert, H, Jäckle, H) **359,** 156

Gene mapping. The code of codes: Scientific and social issues in the human genome project, *Book review by* Brenner, S. **358,** 27

Gene organization. Self-splicing introns in tRNA genes of widely divergent bacteria, *Letter to Nature*, (Reinhold-Hurek, B, Shub, D A) **357,** 173

Gene patents. Japanese researchers rule out gene patents, *News*, (Swinbanks, D) **356,** 181
Gene patents, *Correspondence*, (Rothberg, J M) **356,** 738
NIH defends gene patents as filing deadline approaches, *News*, (Anderson, C) **357,** 270
US to seek gene patents in Europe, *News*, (Anderson, C) **357,** 525
Patents for genomes?, *Opinion*, **358,** 176
US rules out gene patent treaty, *News*, (Anderson, C) **358,** 180
Public opinion of gene patents, *Correspondence*, (Macer, D) **358,** 272
NIH cDNA patent rejected; backers want to amend law, *News*, (Anderson, C) **359,** 263
Gene patents, *Opinion*, **359,** 348
Gene wars escalate as US official battles NIH over pursuit of patent, *News*, (Anderson, C) **359,** 467
Genome project: Patents, round two, *News*, (Anderson, C) **355,** 665
HUGO opposes Venter, *News*, (Aldhous, P) **355,** 194

Gene regulation. Gene regulation: Ecdysone and the onion, *News and views*, (Guild, G, Richards, G) **357,** 539
Gene regulation: Transcriptional transgressions, *News and views*, (Green, M R) **357,** 364
Crystal structure of the *met* repressor-operator complex at 2.8Å resolution reveals DNA recognition by β-strands, *Article*, (Somers, W S, Phillips, S E V) **359,** 387
Probing *met* repressor-operator recognition in solution, *Letter to Nature*, (He, Y-Y, McNally, T, Manfield, I, Navratil, O, Old, I G, Phillips, S E V, Saint-Girons, I, Stockley, P G) **359,** 431

Gene research. Yeast retrotransposon revealed, *Scientific correspondence*, (Voytas, D F, Boeke, J D) **358,** 717
Cystic fibrosis: A welcome animal model, *News and views*, (Collins, F S, Wilson, J M) **358,** 708
Cystic fibrosis: Another protein out in the cold, *News and views*, (Armstrong, J) **358,** 709

Gene therapy. Japan moves gingerly towards guidelines on gene therapy, *News*, (Swinbanks, D) **358,** 6
US companies stand on the sidelines, *News*, (Swinbanks, D) **358,** 6
Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation, *Letter to Nature*, (Gussoni, E, Pavlath, G K, Lanctot, A M, Sharma, K R, Miller, R G, Steinman, L, Blau, H M) **356,** 435
Gene therapy: Italians first to use stem cells, *News*, (Abbott, A) **356,** 465
Human gene therapy comes of age, *Review article*, (Miller, A D) **357,** 455
US company's gene therapy trial is first to bypass RAC for approval, *News*, (Anderson, C) **357,** 615
Moving straight to the target, *News and views*, (Davies, K) **358,** 519
Antisense *c-myb* oligonucleotides inhibit intimal arterial smooth muscle cell accumulation *in vivo*, *Letter to Nature*, (Simons, M, Edelman, E R, DeKeyser, J-L, Langer, R, Rosenberg, R D) **359,** 67
Anti-gene therapy?, *News and views*, (Bloom, T L) **359,** 19
Veterinary medicine: Molecular genetics arrives on the farm, *News and views*, (Womack, J E) **360,** 108
Gene therapy research is spread across many disciplines and institutes at NIH, *News*, (Watson, T) **359,** 188
Correction: Gene therapy research is spread across many disciplines and institutes at NIH, *News*, (Watson, T) **359,** 351
Gene therapy researcher under fire over controversial cancer trials, *News*, (Anderson , C) **360,** 399
Frustration brought panel to showdown, *News*, (Anderson, C) **360,** 399
Gene puffs, *News and views*, **360,** 420
New human gene therapy institute in Pennsylvania, *News*, (Watson, T) **360,** 501
Reversal of pathology in murine mucopolysaccharidosis type VII by somatic cell gene transfer, *Letter to Nature*, (Wolfe, J H, Sands, M S, Barker, J E, Gwynn, B, Rowe, L B, Vogler, C A, Birkenmeier, E H) **360,** 749
Gene therapy: Britain gives the green light, *News*, (Aldhous, P) **355,** 190
Ethics: Call for UK gene therapy, *News*, (Aldhous, P) **355,** 286
Gene therapy panel: NIH merger to shorten review, *News*, (Gershon, D) **355,** 664
Gene therapy, *Correspondence*, (Strohman, R C) **355,** 667

Genentech. Genentech's stance on biodiversity riles staff, *News*, (Lehrman, S) **358,** 97

General Agreement on Tariffs and Trade. Where should GATT go next?, *Opinion*, **360,** 195
Trade and environment, *Opinion*, **359,** 174

General Electric Company. Innovation as a social process: Elihu Thomson and the rise of General Electric 1870-1900, *Book review by* Hackmann, W. **356,** 631

General relativity. Censor's triumph, *News and views*, **360,** 420
Experimental constraints on strong-field relativistic gravity, *Article*, (Taylor, J H, Wolszczan, A, Damour, T, Weisberg, J M) **355,** 132
General relativity: The good companions, *News and views*, (Will, C M) **355,** 111

Genethon. New French genome centre aims to prove that bigger really is better, *News*, (Anderson, C) **357,** 526
Industrial in more than name, *News*, (Anderson, C) **357,** 527

Genetic databases. Genetic information: Challenge to British forensic database, *News*, (Aldhous, P) **355,** 191
DNA profiling: Law and probabilities, *News and views*, (Brookfield, J) **355,** 207

Genetic defects, atomic bombs. The children of the atomic bomb survivors: A genetic study, *Book review by* Crow, J F. **357,** 31

Genetic depletion. Conservation of biodiversity for sustainable development, *Book review by* Myers, N. **358,** 200

Genetic disorders. Human genetics: The costs of instability, *News and views*, (Davies, K E) **356,** 15
Human evolution: Diabetes running wild, *News and views*, (Diamond, J M) **357,** 362

Genetic divergence. Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes, *Letter to Nature*, (Sturmbauer, C, Meyer, A) **358,** 578

Genetic drift. Gene-for-gene coevolution between plants and parasites, *Review article*, (Thompson, J N, Burdon, J J) **360,** 121

Genetic engineering. Genetically engineered foods get green light, *News*, (Gershon, D) **357,** 352
A chimaeric ribonuclease-inhibitor gene restores fertility to male sterile plants, *Article*, (Mariani, C, Gossele, V, De Beuckeleer, M, De Block, M, Goldberg, R B, De Greef, W, Leemans, J) **357,** 384
Plant biology: Twenty-first century crops, *News and views*, (Peacock, J) **357,** 358
Bovine growth hormone meets new safety concerns, *News*, (Gershon, D) **358,** 614
Dutch flower may be too safe to test new biotechnology laws, *News*, (Mundell, I) **358,** 614
Chefs forswear genetically altered food, *News*, (Anderson, C) **359,** 8
US proposes relaxing rules on trials of biotech crops, *News*, (Lehrman, S) **360,** 94
Altered food, *Correspondence*, (Miller, H I, Brigham, J J) **360,** 101
German institutes, industry seek to ease genetic engineering laws, *News*, (Abbott, A) **359,** 93
Germany will ease requirements of gene technology laws in bow to researchers, *News*, (Abbott, A) **360,** 286

Genetic expansion. Melodrama in research publication, *News and views*, (Maddox, J) **355,** 767

Genetic fingerprinting. Interpreting DNA fingerprints, *Scientific correspondence*, (Brookfield, J) **356,** 483

Genetic imprinting. Type III restriction enzymes need two inversely oriented recognition sites for DNA cleavage, *Letter to Nature*, (Meisel, A, Bickle, T A, Krüger, D H, Schroeder, C) **355,** 467

Genetic maps. A second-generation linkage map of the human genome, *Article*, (Weissenbach, J, Gyapay, G, Dib, C, Vignal, A, Morissette, J, Millasseau, P, Vaysseix, G, Lathrop, M) **359,** 794
Variation is now the theme, *News and views*, (Goodfellow, P N) **359,** 777

Genetic recombination. The structure of the *E. coli recA* protein monomer and polymer, *Article*, (Story, R M, Weber, I T, Steitz, T A) **355,** 318

Genetic resources, plants. Plant collections endangered in Eastern Europe and Russia, *News*, (Butler, D) **360,** 201

Genetic resources. Genetic resources: A gene library that goes "moo", *News*, (Anderson, C) **355,** 382
Genetic resources: Fighting the rules of the game, *News*, (Stevens, J) **355,** 489

Genetic screening. Genetics and the public interest, *Opinion*, **356,** 365
Ethical problems in the genes, *Correspondence*, (Turner, D) **357,** 355
Widespread CF testing inevitable, Congressional report finds, *News*, (Anderson, C) **358,** 529
Roche cuts controversial PCR fees, testing limits, *News*, (Anderson, C) **355,** 379

Genetic variation, *Drosophila*. Evolutionary biology: New genes sweep clean, *News and views*, (Charlesworth, B) **356,** 475

Genetic variation. Levels of naturally occurring DNA polymorphism correlate with recombination rates in *D. melanogaster*, *Letter to Nature*, (Begun, D J, Aquadro, C F) **356,** 519

Genetics, and crime. NIH, under fire, freezes grant for conference on genetics and crime, *News*, (Anderson, C) **358,** 357
Genetic influence *Correspondence*, (Wasserman, D) **359,** 266

Genetics, human. Continuum of overlapping clones spanning the entire human chromosome 21q, *Article*, (Chumakov, I, Rigault, P, Guillou, S, Ougen, P, Billaut, A, Guasconi, G, Gervy, P, LeGall, I, Soularue, P, Grinas, L, Bougueleret, L, Bellanné-Chantelot, C, Lacroix, B, Barillot, E, Gesnouin, P, Pook, S, Vaysseix, G, Frelat, G, Schmitz, A, Sambucy, J-L, Bosch, A, Estivill, X, Weissenbach, J, Vignal, A, Riethman, H, Cox, D, Patterson, D, Gardiner, K, Hattori, M, Sakaki, Y, Ichikawa, H, Ohki, M, Le Paslier, D, Heilig, R, Antonarakis, S, Cohen, D) **359,** 380

Genetics. The dynamic genome: Barbara McClintock's ideas in the century of genetics, *Book review by* Fincham, J R S. **358,** 631
Human genetics: Disease and development, *News and Views*, **355,** 590
Cloning and domain structure of the mammalian splicing factor U2AF, *Article*, **355,** 609
Not entirely a backwater, *Correspondence*, (Pasteur, G) **359,** 10
The evolution of life histories, *Book review by* Gwynne, D T. **359,** 27
Nature Genetics: Mulling over mouse models, *News and views*, (Davies, K) **359,** 86
Genetics-and-crime conference cancelled in clash with NIH, *News*, (Anderson, C) **359,** 98
Mammalian genome: official journal of the international mammalian genome society, *Journal review*, (Copeland, N G, Silver, L M, Nadeau, J, Klein, J) **359,** 440
Current opinion in genetics and development, *Journal review*, (Little, P, Laskey, R, Scott, M P) **359,** 440
Gene mapping: Using law and ethics as guides, *Book review by* Nelkin, D. **360,** 380
Nature Genetics: Imprinting and splicing join together, *News and views*, (Davies, K) **360,** 492
A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, *Letter to Nature*, (Lifton, R P, Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) **355,** 262
DNA sequences, *Correspondence*, (Auffray, C) **355,** 292
Human Genome Project: Still room for HUGO?, *News*, (Anderson, C, Aldhous, P) **355,** 4

Genome mapping, *C. elegans*. A turn of the worm, *News*, (Anderson, C, Aldhous, P) **355,** 483

Genome project, UK. Human genome: MRC follows NIH on patents, *News*, (Aldhous, P) **356,** 98

Genome projects, France. New French genome centre aims to prove that bigger really is better. *News*, (Anderson, C) **357,** 526
Industrial in more than name. *News*, (Anderson, C) **357,** 527
Genome projects, Japan. Japanese researchers rule out gene patents. *News*, (Swinbanks, D) **356,** 181
MITI makes its move, cautiously. *News*, (Swinbanks, D) **356,** 181
Genome project: Betting on rice. *News*, (Swinbanks, D. Swinbanks, D) **356,** 181
Genome projects, US. Genome propaganda. *Opinion*, **357,** 524
Will MIT be home to next big centre?. *News*, (Anderson, C) **357,** 526
US genome project does it the French way, conceding that size matters after all. *News*, (Anderson, C) **360,** 401
Genome projects. DNA sequencing: The worm turns and delivers. *News and views*, (Little, P) **356,** 14
Patents for genomes?. *Opinion*, **358,** 176
Wall Street remains bearish on value of genome project. *News*, (Anderson, C) **358,** 180
What's in a genome?. *Scientific correspondence*, (Bork, P, Ouzounis, C, Sander, C, Scharf, M, Schneider, R, Sonnhammer, E) **358,** 287
Human genome project: Mapping the way ahead. *News and views*, (Little, P) **359,** 367
Genome project: Patents, round two. *News*, (Anderson, C) **355,** 665
A turn of the worm. *News*, (Anderson, C, Aldhous, P) **355,** 483
Genome project faces commercialization test. *News*, (Anderson, C, Aldhous, P) **355,** 483
Genome research. Controversial NIH genome researcher leaves for new $70-million institute. *News*, (Anderson, C) **358,** 95
The complete DNA sequence of yeast chromosome III. *Article*, (Oliver, S G, van der Aart, Q J M, Agostoni-Carbone, M L, Aigle, M, Alberghina, L, Alexandraki, D, Antoine, G, Anwar, R, Ballesta, J P G, Benit, P, Berben, G, Bergantino, E, Biteau, N, Bolle, P A, Bolotin-Fukuhara, M, Brown, A, Brown, A J P, Buhler, J M, Carcano, C, Carignani, G, Cederberg, H, Chanet, R, Contreras, R, Crouzet, M, Daignan-Fornier, B, Defoor, E, Delgado, M, Demolder, J, Doira, C, Dubois, E, Dujon, B, Dusterhoft, A, Erdmann, D, Esteban, M, Fabre, F, Fairhead, C, Faye, G, Feldmann, H, Fiers, W, Francingues-Gaillard, M C, Franco, L, Frontali, L, Fukuhara, H, Fuller, L J, Galland, P, Gent, M E, Gigot, D, Gilliquet, V, Glansdorff, N, Goffeau, A, Grenson, M, Grisanti, P, Grivell, L A, de Haan, M, Haasemann, M, Hatat, D, Hoenicka, J, Hegemann, J, Herbert, C J, Hilger, F, Hohmann, S, Hollenberg, C P, Huse, K, Iborra, F, Indge, K J, Isono, K, Jacq, C, Jacquet, M, James, C M, Jauniaux, J C, Jia, Y, Jimenez, A, Kelly, A, Kleinhans, U, Kreisl, P, Lanfranchi, G, Lewis, C, van der Linden, C G, Lucchini, G, Lutzenkirchen, K, Maat, M J, Mallet, L, Mannhaupt, G, Martegani, E, Mathieu, A, Maurer, C T C, McConnell, D, McKee, R A, Messenguy, F, Mewes, H W, Molemans, F, Montague, M A, Muzi Falconi, M, Navas, L, Newlon, C S, Noone, D, Pallier, C, Panzeri, L, Pearson, B M, Perea, J, Philippsen, P, Pierard, A, Planta, R J, Plevani, P, Poetsch, B, Pohl, F, Purnelle, B, Ramezani Rad, M, Rasmussen, S W, Raynal, A, Remacha, M, Richterich, P, Roberts, A B, Rodriguez, F, Sanz, E, Schaaf-Gerstenschlager, I, Scherens, B, Schweitzer, B, Shu, Y, Skala, J, Slonimski, P P, Sor, F, Soustelle, C, Spiegelberg, R, Stateva, L I, Steensma, H Y, Steiner, S, Thierry, A, Thireos, G, Tzermia, M, Urrestarazu, L A, Valle, G, Vetter, I, van Vliet-Reedijk, J C, Voet, M, Volckaert, G, Vreken, P, Wang, H, Warmington, J R, von Wettstein, D, Wicksteed, B L, Wilson, C, Wurst, H, Xu, G, Yoshikawa, A, Zimmermann, F K, Sgouros, J G) **357,** 38
Ever-longer sequences in prospect. *News and views*, (Maddox, J) **357,** 13
Sweeter offer by Wellcome keeps genome scientist in Britain. *News*, (Mundell, I, Anderson, C) **357,** 99
Canada commits money for human genome research. *News*, (Spurgeon, D) **357,** 428
FBI attaches strings to its DNA database. *News*, (Anderson, C) **357,** 618
Genome sequencing, *Caenorhabditis elegans*. The *C. elegans* genome sequencing project: a beginning. *Article*, (Sulston, J, Du, Z, Thomas, K, Hillier, L, Staden, R, Halloran, N, Green, P, Thierry-Mieg, J, Qiu, L, Dear, S, Coulson, A, Craxton, M, Durbin, R, Berks, M, Metzstein, M, Hawkins, T, Ainscough, R, Waterston, R, Wilson, R) **356,** 37
Genomic imprinting. Cancer genetics: Imprinting in leukaemia. *News and views*, (Reik, W) **359,** 362
Parental origin of chromosomes involved in the translocation t(9;22). *Letter to Nature*, (Haas, O A, Argyriou-Tirita, A, Lion, T) **359,** 414
Geochemistry, crust. Geochemistry: Tracing great fluid migrations. *News and views*, (Sverjensky, D A, Garven, G) **356,** 481
Geochemistry, mantle. Solubility of neutral nickel in silicate melts and implications for the Earth's siderophile element budget. *Letter to Nature*, (Colson, R O) **357,** 65
Geochemistry. Grain-boundary graphite in Kapuskasing gneisses and implications for lower-crustal conductivity. *Letter to Nature*, (Mareschal, M, Fyfe, W S, Percival, J, Chan, T) **357,** 674
Spatial and temporal variability in the geochemistry of basalts from the East Pacific Rise. *Article*, (Reynolds, J R, Langmuir, C H, Bender, J F, Kastens, K A, Ryan, W B F) **359,** 493
Linear free energy relations for predicting dissolution rates of solids. *Letter to Nature*, (Sverjensky, D A) **358,** 310
Geochemistry: A better mousetrap. *News and views*, (Casey, W H) **358,** 283
Ore geology: A little rain must fall. *News and views*, (Gize, A P) **358,** 370
Formation of harzburgite by pervasive melt/rock reaction in the upper mantle. *Article*, (Kelemen, P B, Dick, H J B, Quick, J E) **358,** 635
Evidence from ultra-high-pressure marbles for recycling of sediments into the mantle. *Letter to Nature*, (Becker, H, Altherr, R) **358,** 745
Crustal recycling: Surviving subduction. *News and views*, (White, W M) **358,** 714
Proterozoic depletion of the lithosphere recorded in mantle xenoliths from Inner Mongolia. *Letter to Nature*, (Deng, F-L, Macdougall, J D) **360,** 333
Electrical conductivity of carbon-bearing granulite at raised temperatures and pressures. *Letter to Nature*, (Glover, P W J, Vine, F J) **360,** 725
Early Earth: Stalking the magma ocean. *News and views*, (Stevenson, D J) **355,** 301
Geochemistry. An element of recycling. *News and views*, (Pearce, J) **360,** 629
Geochronology. Increased production of cosmogenic ^{10}Be during the Last Glacial Maximum. *Letter to Nature*, (Lao, Y, Anderson, R F, Broecker, W S, Trumbore, S E, Hofmann, H J, Wolfli, W) **357,** 576
The age of the earth. *Book review by* Nisbet, E G. **360,** 390
The facts of life: Shattering the myth of Darwinism. *Book review by* Nisbet, E G. **360,** 390
Geodesy. Post-rifting stress relaxation at the divergent plate boundary in Northeast Iceland. *Letter to Nature*, (Foulger, G R, Jahn, C-H, Seeber, G, Einarsson, P, Julian, B R, Heki, K) **358,** 488
Earth sciences: Does the mid-crust flow?. *News and views*, (Thatcher, W) **358,** 454
Low-temperature physics: Superfluid gyroscope. *News and views*, (Hess, G B) **359,** 192
Plate tectonics: Geodesy tracks plate motion. *News and views*, (Hudnut, K W) **355,** 681
Geography. The geography of science. *Book review by* McNeill, W H. **355,** 599
Geohistory. From stone to star: A view of modern geology. *Book review by* Herries Davies, G L. **358,** 719
Geoid, Earth. Large-scale mantle convection and the history of subduction. *Letter to Nature*, (Richards, M A, Engebretson, D C) **355,** 437
Geology, Archaean. Proterozoic crustal extension and the generation of dome-and-keel structure in an Archaean granite-greenstone terrane. *Letter to Nature*, (Marshak, S, Alkmim, F F, Jordt-Evangelista, H) **357,** 491
Geology, history of. Continental drift. *Correspondence*, (Falck, W E) **355,** 668
Geology, tectonics. Tilt and northward offset of Cordilleran batholiths resolved using igneous barometry. *Letter to Nature*, (Ague, J J, Brandon, M T) **360,** 146
Geology. Ages of altered granites adjoining the Witwatersrand Basin with implications for the origin of gold and uranium. *Letter to Nature*, (Robb, L J, Davis, D W, Kamo, S L, Meyer, F M) **357,** 677
James Hutton and the history of geology. *Book review by* Rudwick, M. **360,** 392
Santana fossils: An illustrated atlas. *Book review by* Davis, P G. **355,** 218
Archaen geology: Vestiges of a beginning?. *News and views*, (Taylor, S R) **360,** 710
Geomagnetic reversals. Palaeomagnetic constraints on the geometry of the geomagnetic field during reversals. *Article*, (Valet, J-P, Tucholka, P, Courtillot, V, Meynadier, L) **356,** 400
Polar path in geomagnetic reversals. *Miscellany*, (Runcorn, S K) **356,** 654
Geomagnetism: Reversal ideas up-ended. *News and views*, (McFadden, P) **356,** 381
Dipolar reversal states of the geomagnetic field and core-mantle dynamics. *Article*, (Hoffman, K A) **359,** 789
Geomagnetic reversal paths. *Scientific correspondence*, (Laj, C, Mazaud, A, Weeks, R, Fuller, M, Herrero-Bervera, E) **359,** 111
Geomagnetism. Geomagnetism: Superplumes and superchrons. *News and views*, (Fuller, M, Weeks, R) **356,** 16
Evidence from magnetic fabric for the flow pattern of magma in the Mackenzie giant radiating dyke swarm. *Letter to Nature*, (Ernst, R E, Baragar, W R A) **356,** 511
Longitudinal confinement of geomagnetic reversal paths as a possible sedimentary artefact. *Letter to Nature*, (Langereis, C G, van Hoof, A A M, Rochette, P) **358,** 226
Link between geomagnetic reversal paths and secular variation of the field over the past 5 Myr. *Letter to Nature*, (Constable, C) **358,** 230
Geomagnetism: Still poles apart on reversals?. *News and views*, (Jackson, A) **358,** 194
Evidence for dipolar fields during the Cobb Mountain geomagnetic polarity reversals. *Letter to Nature*, (Clement, B M) **358,** 405
Geometric phase. The geometric phase. *Review article*, (Anandan, J) **360,** 307
Geometry. The heritage of Giotto's geometry: Art and science on the eve of the scientific revolution. *Book review by* Massing, J M. **355,** 507
Geometry: Another harmony of the spheres. *News and views*, (Max, N) **355,** 115
Geomorphology. Geomorphic responses to climate change. *Book review by* Goudie, A S. **358,** 382
Geomorphology: Characteristic size of relief. *News and views*, (Burbank, D W) **359,** 483
Climate and landscape response. *Scientific correspondence*, (Summerfield, M A, Kirkbride, M P) **355,** 306
Climate and landscape response: Reply. *Scientific correspondence*, (Molnar, P, England, P) **355,** 306
Geophysics, core. Anisotropy of the inner core from differential travel times of the phases PKP and PKIKP. *Article*, (Creager, K C) **356,** 309
Geophysics. Planetary geology: Killer acid at the K/T boundary. *News and views*, (McKinnon, W B) **357,** 15
Deep origin of mid-ocean-ridge seismic velocity anomalies. *Letter to Nature*, (Su, W -J, Woodward, R L, Dziewonski, A M) **360,** 149
Geophysics: Earth's core not so hot. *News and views*, (Duba, A) **359,** 197
Role of pore fluids in the generation of seismic precursors to shear fracture. *Letter to Nature*, (Sammonds, P R, Meredith, P G, Main, I G) **359,** 228
Excitation of true polar wander by subduction. *Letter to Nature*, (Spada, G, Ricard, Y, Sabadini, R) **360,** 452
Journal of geophysical research - planets. *Journal review*, (Melosh, H J, Chapman, C R) **359,** 459
Geophysics: Preserving a sense of direction. *News and views*, (Dickman, S R) **360,** 421
Changes in Earth rotation rate. *Scientific correspondence*, (Le Mouël, J L, Courtillo., V, Jault, D) **355,** 26
Large-scale mantle convection and the history of subduction. *Letter to Nature*, (Richards, M A, Engebretson, D C) **355,** 437
Germ cells. Embryology: The quest for immortality. *News and views*, (McLaren, A) **359,** 482
Long-term proliferation of mouse primordial germ cells in culture. *Letter to Nature*, (Resnick, J L, Bixler, L S, Cheng, L, Donovan, P J) **359,** 550
German-Israeli collaboration. Sakmann starts German-Israeli fund. *News*, (Abbott, A) **360,** 285
Germany, academics. Tainted academics. *Opinion*, **359,** 759
Germany, astrophysics. German astronomers fight rumoured closing of institute. *News*, (Abbott, A) **358,** 267
Germany, atomic bomb tests. Myths of the German atom bomb. *Commentary*, (Walker, M) **359,** 473
Germany, biomedical research. Germany links biology centres. *News*, (Abbott, A) **358,** 268
Germany, Deutsche Museum. Einstein and Brandenburg. *News*, **357,** 103
Germany, education. Germans try to ease overcrowding. *News*, (Abbott, A) **357,** 349
Germany, Max Planck Society. German astronomers fight rumoured closing of institute. *News*, (Abbott, A) **358,** 267
Germany, research funding. Germans to shift funding from physics to biology. *News*, (Abbott, A) **357,** 182
Germany seeks new funds to meet costs. *News*, (Abbott, A) **357,** 182
Max Planck supports research in east as cost of reunification climbs. *News*, (Abbott, A) **357,** 268
Max Planck funds small projects. *News*, (Abbott, A) **357,** 269
German states offer to trade power for money. *News*, (Abbott, A) **358,** 361
New German budget aims to restore eastern science. *News*, (Abbott, A) **358,** 442
Germany, social science. Social sciences found worth funding. *News*, (Abbott, A) **357,** 268
Germany, universities. Germany plans university reform. *News*, (Abbott, A) **357,** 618
German professors appeal their dismissals in purge of thousands with ties to Stasi. *News*, (Abbott, A) **359,** 762
Gerstmann-Sträussler-Scheinker syndrome. Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein. *Article*, (Bücler, H, Fischer, M, Lang, Y, Blüethmann, H, Lipp, H-P, DeArmond, S J, Prusiner, S B, Aguet, M, Weissmann, C) **356,** 577
Glaciation, Mars. Martian moraines. *News and views*, **355,** 209
Glaciation. Glaciation and denudation rates. *Scientific correspondence*, (harbor, J, Warburton, J) **356,** 751
Antarctic ice volume and contribution to sea-level fall at 20,000 yr BP from raised beaches. *Letter to Nature*, (Colhoun, E A, Mabin, M C G, Adamson, D A, Kirk, R M) **358,** 316
Glaciation: A case of missing water. *News and views*, (Andrews, J T) **358,** 281
Frequency variations of the Earth's obliquity and the 100-kyr ice-age cycles. *Letter to Nature*, (Liu, H-S) **358,** 397
Evidence for basal marine ice in the Filchner-Ronne ice shelf. *Letter to Nature*, (Oerter, H, Kipfstuhl, J, Determann, J, Miller, H, Wagenbach, D, Minikin, A, Graf, W) **358,** 399
Enhanced ventilation of the North Atlantic subtropical gyre thermocline during the last glaciation. *Letter to Nature*, (Slowey, N C, Curry, W B) **358,** 665
Volcanic winter and accelerated glaciation following the

Toba super-eruption, *Letter to Nature*, (Rampino, M R, Self, S) **359,** 50
Geochronological evidence supporting Antarctic deglaciation three million years ago, *Letter to Nature*, (Barrett, P J, Adams, C J, McIntosh, W C, Swisher, C C III, Wilson, G S) **359,** 816
Antarctic ice sheets at risk?, *News and views*, (Sugden, D) **359,** 775
Glaciation: Explosive start to last ice age, *News and views*, (Ramaswamy, V) **359,** 14
Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, *Letter to Nature*, (Caldeira, K, Kasting, J F) **359,** 226

Glaciology. Glaciation and denudation rates, *Scientific correspondence*, (harbor, J, Warburton, J) **356,** 751
Irregular oscillations of the West Antarctic ice sheet, *Article*, (MacAyeal, D R) **359,** 29
Antarctic global warming?, *Scientific correspondence*, (Splettstoesser, J) **355,** 503
Palaeoclimate: Paradox lost and paradox found, *News and views*, (Kasting, J F) **355,** 676
Greenhouse indicators in Kenya, *Scientific correspondence*, (Hastenrath, S, Kruss, P D) **355,** 503
Will greenhouse warming lead to Northern Hemisphere ice-sheet growth?, *Letter to Nature*, (Miller, G H, de Vernal, A) **355,** 244

Glasses. Quantification of the disorder in network-modified silicate glasses, *Article*, (Farnan, I, Grandinetti, P J, Baltisberger, J H, Stebbins, J F, Werner, U, Eastman, M A, Pines, A) **358,** 31
Cation microsegregation and ionic mobility in mixed alkali glasses, *Letter to Nature*, (Vessal, B, Greaves, G N, Marten, P T, Chadwick, A V, Mole, R, Houde-Walter, S) **356,** 504
Network-modifying ions in glass, *Scientific correspondence*, (Elliott, S R) **357,** 650

Glaxo. Merck v. Glaxo: The billion-dollar battle, *Book review by* Medawar, C. **357,** 651

Glial cells. Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene, *Letter to Nature*, (Schneider, A, Montague, P, Griffiths, I, Fanarraga, M, Kennedy, P, Brophy, P, Nave, K-A) **358,** 758
The glial cell glutamate uptake carrier countertransports pH-changing anions, *Letter to Nature*, (Bouvier, M, Szatkowski, M, Amato, A, Attwell, D) **360,** 471

Global change. The Earth as transformed by human action: global and regional changes in the biosphere over the past 300 years, *Book review by* Rosenzweig, C. **355,** 781
The Earth as transformed by human action: global and regional changes in the biosphere over the past 300 years, *Book review by* Rosenzweig, C. **355,** 781
Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662
Global change: Middle atmosphere cooling, *News and views*, (Garcia, R R) **357,** 18
Seasonal and interannual variations in atmospheric oxygen and implications for the global carbon cycle, *Article*, (Keeling, R F, Shertz, S R) **358,** 723
Climate since AD 1500, *Book review by* Ruddiman, W F. **358,** 721
Global change: diminishing oxygen, *News and views*, (Broecker, W S, Severinghaus, J P) **358,** 710
The holocene: An interdisciplinary journal focusing on recent environmental change, *Journal review*, (Mannion, A M, Matthews, J A) **359,** 461
Global environmental change: Human and policy dimensions, *Journal review*, (Grubb, M, Mitchell, J K) **359,** 462
Global change: Lessons from past climates, *News and views*, (Barron, E J) **360,** 533

Global environment. Between Stockholm and Rio, *Commentary*, (Zuckerman, Lord) **358,** 273

Global temperatures. Temperature time-series?, *Scientific correspondence*, (Allen, M R, Read, P L, Smith, L A) **355,** 686

Global warming treaty. The best global warming treaty yet, *Opinion*, **357,** 97

Global warming. Will sea levels rise or fall?, *Commentary*, (Schneider, S H) **356,** 11
Global biomass burning: Atmospheric, climatic, and biospheric implications, *Book review by* Overpeck, J T. **356,** 670
Effect of deep convection on the regulation of tropical sea surface temperature, *Letter to Nature*, (Wallace, J M) **357,** 230
Implications for climate and sea level of revised IPCC emissions scenarios, *Review article*, (Wigley, T M L, Raper, S C B) **357,** 293
A sequential-decision strategy for abating climate change, *Letter to Nature*, (Hammitt, J K, Lempert, R J, Schlesinger, M E) **357,** 315
Possible methane-induced polar warming in the early Eocene, *Letter to Nature*, (Sloan, L C, Walker, J C G, Moore Jr, T C, Rea, D K, Zachos, J C) **357,** 320
Muddled carbon tax, *Opinion*, **357,** 178
Dangers of disappointment at Rio, *Opinion*, **357,** 265
Researchers look beyond UNCED, *News*, (Mundell, I) **357,** 269
Indirect chemical effects of methane on climate warming: Correction, *Letter to Nature*, (Lelieveld, J, Crutzen, P J) **357,** 607
Thermostat and global warming, *Scientific correspondence*, (Ramanathan, V, Collins, W) **357,** 649
Anthropogenic influence on the distribution of tropospheric sulphate aerosol, *Letter to Nature*, (Langner, J, Rodhe, H, Crutzen, P J, Zimmermann, P) **359,** 712
Is the Antarctic ice sheet growing?, *Review article*, (Jacobs, S S) **360,** 29
Antarctic ice sheets at risk?, *News and views*, (Sugden, D) **359,** 775
Aluminium and global warming, *Scientific correspondence*, (Abrahamson, D.) **356,** 484
Ocean circulation: Global warming, ocean cooling, *News and views*, (Clarke, A) **360,** 17
Implications for global warming of intercycle solar irradiance variations, *Letter to Nature*, (Schlesinger, M E, Ramankutty, N) **360,** 330
Confronting climate change: Risks, implications and responses, *Book review by* Thompson, R D. **359,** 115
Global warming: Keeping the Sun in proportion, *News and views*, (Lacis, A A, Carlson, B E) **360,** 297
Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69
Antarctic global warming?, *Scientific correspondence*, (Splettstoesser, J) **355,** 503
Indirect chemical effects of methane on climate warming, *Letter to Nature*, (Lelieveld, J, Crutzen, P J) **355,** 339
Environment: Look expectantly to Rio, *News*, (Aldhous, P) **355,** 9
Environment: Pinning the blame on carbon dioxide, *News*, (Aldhous, P) **355,** 9
Uncertainties of climate change, *Correspondence*, (Lave, L B, Dowlatabadi, H, McRae, G J, Morgan, M G, Rubin, E S) **355,** 197
Global change: US research could lose lustre, *News*, (Mervis, J) **355,** 578
Greenhouse indicators in Kenya, *Scientific correspondence*, (Hastenrath, S, Kruss, P D) **355,** 503
Will greenhouse warming lead to Northern Hemisphere ice-sheet growth?, *Letter to Nature*, (Miller, G H, de Vernal, A) **355,** 244
Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662
Atmospheric methane: Tropical wetland sources, *News and views*, (Street-Perrott, F A) **355,** 23
Leaking gas and greenhouse, *Correspondence*, (Herbert, R) **355,** 196

Globular clusters. Rates of collapse and evaporation of globular clusters, *Letter to Nature*, (Hut, P, Djorgovski, S) **359,** 806
Possible cataclysmic variable in the core of the globular cluster 47 Tucanae, *Letter to Nature*, (Paresce, F, De Marchi, G, Ferraro, F R) **360,** 46
Ecology of globular clusters, *News and views*, (Heggie, D C) **359,** 772

Glucocerebrosidase. Animal model of Gaucher's disease from targeted disruption of the mouse glucocerebrosidase gene, *Letter to Nature*, (Tybulewicz, V L J, Tremblay, M L, LaMarca, M E, Willemsen, R, Stubblefield, B K, Winfield, S, Zablocka, B, Sidransky, E, Martin, B M, Huang, S P, Mintzer, K A, Westphal, H, Mulligan, R C, Ginns, E I) **357,** 407

Glucocorticoids. A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, *Letter to Nature*, (Lifton, R P, Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) **355,** 262
Impaired type II glucocorticoid-receptor function in mice bearing antisense RNA transgene, *Letters to Nature*, (Pepin, M-C, Pothier, F, Barden, N) **355,** 725

Glucokinase gene. Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus, *Letter to Nature*, (Froguel, Ph, Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) **356,** 162
Nonsense mutation in the glucokinase gene causes early-onset non-insulin-dependent diabetes mellitus, *Letter to Nature*, (Vionnet, N, Stoffel, M, Takeda, J, Yasuda, K, Bell, G I, Zouali, H, Lesage, S, Velho, G, Iris, F, Passa, Ph, Froguel, Ph, Cohen, D) **356,** 721

Glucokinase locus. Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus: Correction, *Letter to Nature*, (Froguel, Ph, Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) **357,** 607

Glutamate transporter. Primary structure and functional characterization of a high-affinity glutamate transporter, *Letter to Nature*, (Kanai, Y, Hediger, M A) **360,** 467
The glial cell glutamate uptake carrier countertransports pH-changing anions, *Letter to Nature*, (Bouvier, M, Szatkowski, M, Amato, A, Attwell, D) **360,** 471

Glutamate transporters. Cloning and expression of a rat brain L-glutamate transporter, *Letter to Nature*, (Pines, G, Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360,** 464
Neurotransmitter transporters: A tale of two families, *News and views*, (Amara, S G) **360,** 420
Errata: Cloning and expression of a rat brain L-glutamate transporter, *Letter to Nature*, (Pines, G, Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360,** 768

Glutamate. Positive feedback of glutamate exocytosis by metabotropic presynaptic receptor stimulation, *Letter to Nature*, (Herrero, I, Miras-Portugal, M T, Sánchez-Prieto, J) **360,** 163

Glutathione *S*-transferases. Rat liver protein linking chemical and immunological detoxification systems, *Letter to Nature*, (Blocki, F A, Schlievert, P M, Wackett, L P) **360,** 269

Glycobiology. Glycobiology, *Journal review*, (Rees, D A, Hart, G W) **359,** 444

Glycoprotein. Engineering galactose-binding activity into a C-type mannose-binding protein, *Letter to Nature*, (Drickamer, K) **360,** 183

Glycoproteins. Inhibition of furin-mediated cleavage activation of HIV-1 glycoprotein gp160, *Letter to Nature*, (Hallenberger, S, Bosch, V, Angliker, H, Shaw, E, Klenk, H-D, Garten, W) **360,** 358

Glycosyl-phosphatidylinositol. Glycosyl-phosphatidylinositol linkage as a mechanism for cell-surface expression of immunoglobulin D, *Letter to Nature*, (Wienands, J, Reth, M) **356,** 246

Goethites, carbon dioxide. Ancient atmospheric CO_2 pressures inferred from natural goethites, *Letter to Nature*, (Yapp, C J, Poths, H) **355,** 342

Gold mining. Mercury and gold pollution, *Scientific correspondence*, (Fuge, R, Pearce, N J G, Perkins, W T) **357,** 369

Gold, mineralization. Ages of altered granites adjoining the Witwatersrand Basin with implications for the origin of gold and uranium, *Letter to Nature*, (Robb, L J, Davis, D W, Kamo, S L, Meyer, F M) **357,** 677
Biomineralization: Bacteria and the Midas touch, *News and views*, (Mann, S) **357,** 358

Golgi membranes. Brefeldin A inhibits Golgi membrane-catalysed exchange of guanine nucleotide onto ARF protein, *Letter to Nature*, (Donaldson, J G, Finazzi, D, Klausner, R D) **360,** 350
Inhibition by brefeldin A of a Golgi membrane enzyme that catalyses exchange, *Letter to Nature*, (Helms, J B, Rothman, J E) **360,** 352

Golgi network. Retrograde transport of endocytosed Shiga toxin to the endoplasmic reticulum, *Letter to Nature*, (Sandvig, K, Garred, O, Prydz, K, Kozlov, J V, Hansen, S H, van Deurs, B) **358,** 510

Goodwin, Frederick. US research politics: Goodwin stumbles, *News*, (Mervis, J) **356,** 6
Of animals and men, *Correspondence*, (Dayis, B D) **357,** 187

Gore, Al. Al Gore's future, *Opinion*, **358,** 175

Graduate training, US. Graduate training: Kinder, gentler, more useful mathematics, *News*, (Lindley, D) **356,** 650

Graduate training. The young and the restless, *News*, (Abbott, A) **360,** 502

Graduates, UK. Prospects for graduates, *Correspondence*, (Eggleton, P) **355,** 292

Grant allocation, Europe. A polarity in European research, *Commentary*, (Philipson, L) **360,** 102
Flood of applicants delays EC training grants, *News*, (Abbott, A) **359,** 178

Grant allocation. NSF drops flat-rate plan for grants in mathematics, *News*, (Mervis, J) **359,** 661
NSF's proposed conflict-of-interest rules place burden on applicant and institution, *News*, (Anderson, C) **358,** 700
NSF will experiment with fixed budgets in an effort to simplify grants process, *News*, (Mervis, J) **359,** 94
The grant racket, *Correspondence*, (Ross, P M) **355,** 197

Granulomas. Tumour necrosis factor α restores granulomas and induces parasite egg-laying in schistosome-infected SCID mice, *Letter to Nature*, (Amiri, P, Locksley, R M, Parslow, T G, Sadick, M, Rector, E, Ritter, D, McKerrow, J H) **356,** 604

Graphical modelling. CVGIP: Graphical models and image processing, *Journal review*, (Holburn, D, Badler, N I, Chellappa, R) **359,** 454

Graphite, negatively curved. Energetics of negatively curved graphitic carbon, *Letter to Nature*, (Lenosky, T, Gonze, X, Teter, M, Elser, V) **355,** 333

Graphite. Grain-boundary graphite in Kapuskasing gneisses and implications for lower-crustal conductivity, *Letter to Nature*, (Mareschal, M, Fyfe, W S, Percival, J, Chan, T) **357,** 674

Graphitic carbon. Pentagons, heptagons and negative curvature in graphite microtubule growth, *Letter to Nature*, (Iijima, S, Ichihashi, T, Ando, Y) **356,** 776
Smallest carbon nanotube, *Scientific correspondence*, (Ajayan, P M, Iijima, S) **358,** 23
Coalescence reactions of fullerenes, *Letter to Nature*, (Yeretzian, C, Hansen, K, Diederich, F, Whetten, R L) **359,** 44
Curling and closure of graphitic networks under electron-beam irradiation, *Letter to Nature*, (Ugarte, D) **359,** 707
Carbon onions introduce new flavour to fullerene studies, *News and views*, (Kroto, H W) **359,** 670

Grasslands, animal grazing. Ecology: Pastoral plumbing, *News and views*, (Moore, P D) **357,** 644

Gravitation. Gravitation: Time travel on a string, *News and views*, (Allen, B, Simon, J) **357,** 19
Time machine from dust, *Scientific correspondence*, (Bonnor, W B) **358,** 288

Gravitational spreading. Importance of gravitational spreading in the tectonic and volcanic evolution of Mount Etna,

Letter to Nature, (Borgia, A, Ferrari, L, Pasquarè, G) **357,** 231
Volcanoes: You can pile it only so high, *News and views*, (Delaney, P T) **357,** 194
Gravity. Gravity wave detectors: US picks 2 sites, Europe waits, *News*, (Mervis, J) **355,** 756
Riding along, *News and views*, **359,** 194
Censor's triumph, *News and views*, **360,** 420
Six years of the fifth force, *Review article*, (Fischbach, E, Talmadge, C) **356,** 207
Messing around with gravity, *News and views*, (Lindley, D) **359,** 583
Great Attractor. Not so Great Attractor?, *News and views*, (Lindley, D) **356,** 657
Greenhouse effect. Hiding from the midday Sun, *Opinion*, **356,** 643
Scientific advocacy: How much green in the greenhouse?, *News*, (Anderson, C) **356,** 369
'Neutral' CFCs?, *Correspondence*, (Montgomery, K) **356,** 738
Global change: Middle atmosphere cooling, *News and views*, (Garcia, R R) **357,** 18
CFCs active, *Correspondence*, (Gribbin, J) **357,** 272
Greenhouse dilemma, *Correspondence*, (Anderson, T L, Charlson, R J, Coakley, J A) **357,** 105
Solar cycle length, greenhouse forcing and global climate, *Letter to Nature*, (Kelly, P M, Wigley, T M L) **360,** 328
Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69
Future fuels, *Correspondence*, (Fyfe, W S) **355,** 10
Environment: Pinning the blame on carbon dioxide, *News*, (Aldhous, P) **355,** 9
Uncertainties of climate change, *Correspondence*, (Lave, L B, Dowlatabadi, H, McRae, G J, Morgan, M G, Rubin, E S) **355,** 197
Will greenhouse warming lead to Northern Hemisphere ice-sheet growth?, *Letter to Nature*, (Miller, G H, de Vernal, A) **355,** 244
Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662
Greenhouse gas emissions. Implications for climate and sea level of revised IPCC emissions scenarios, *Review article*, (Wigley, T M L, Raper, S C B) **357,** 293
A sequential-decision strategy for abating climate change, *Letter to Nature*, (Hammitt, J K, Lempert, R J, Schlesinger, M E) **357,** 315
Greenhouse gases. Ozone depletion: Cold comfort in the greenhouse, *News and views*, (Kiehl, J T) **355,** 773
Radiative forcing of climate from halocarbon-induced global stratospheric ozone loss, *Letter to Nature*, (Ramaswamy, V, Schwarzkopf, M D, Shine, K P) **355,** 810
Modelling the hydrological cycle in assessments of climate change, *Review article*, (Rind, D, Rosenzweig, C, Goldberg, R) **358,** 119
Sequestration of CO_2 in the deep ocean by shallow injection, *Letter to Nature*, (Haugan, P M, Drange, H) **357,** 318
Productivity and compensatory responses of yellow-poplar trees in elevated CO_2, *Letter to Nature*, (Norby, R J, Gunderson, C A, Wullschleger, S D, O'Neill, E G, McCracken, M K) **357,** 322
Carbon dioxide disposal: The deep-six fix again, *News and views*, (Orr, J C) **357,** 283
Aluminium and global warming, *Scientific correspondence*, (Abrahamson, D.) **356,** 484
Possibility of an Arctic ozone hole in a doubled-CO_2 climate, *Article*, (Austin, J, Butchart, N, Shine, K P) **360,** 221
Global change: A looming Arctic ozone hole?, *News and views*, (Mahlman, J D) **360,** 209
Palaeoclimatology: Avoiding a permanent ice age, *News and views*, (Kuhn, W R) **359,** 196
Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, *Letter to Nature*, (Caldeira, K, Kasting, J F) **359,** 226
Ice-age atmospheric concentration of nitrous oxide from an Antarctic ice core, *Letter to Nature*, (Leuenberger, M, Siegenthaler, U) **360,** 449
Deriving global climate sensitivity from palaeoclimate reconstructions, *Letter to Nature*, (Hoffert, M I, Covey, C) **360,** 573
IPCC strategies unfair to the South, *Commentary*, (Parikh, J K) **360,** 507
Global change: Lessons from past climates, *News and views*, (Barron, E J) **360,** 533
Indirect chemical effects of methane on climate warming, *Letter to Nature*, (Lelieveld, J, Crutzen, P J) **355,** 339
Mount Etna CO_2 may affect climate, *Scientific correspondence*, (Caldeira, K, Rampino, M R) **355,** 401
Methane and Milankovitch cycles, *Scientific correspondence*, (Adams, J M, Faure, H, Petit-Maire, N) **355,** 214
Atmospheric methane: Tropical wetland sources, *News and views*, (Street-Perrott, F A) **355,** 23
Leaking gas and greenhouse, *Correspondence*, (Herbert, R) **355,** 196
GroEL protein. Successive action of DnaK, DnaJ and GroEL along the pathway of chaperone-mediated protein folding, *Article*, (Langer, T, Lu, C, Echols, H, Flanagan, J, Hayer, M K, Hartl, F U) **356,** 683
Protein folding: Further up the kinetic pathway, *News and views*, (Pain, R) **356,** 664
Heat shock in *Escherichia coli* alters the protein-binding properties of the chaperonin groEL by inducing its phosphorylation, *Letter to Nature*, (Sherman, M Y, Goldberg, A L) **357,** 167
Groundwater flow. Ore geology: A little rain must fall, *News and views*, (Gize, A P) **358,** 370
Growth factors. Angiogenic factor, *Scientific correspondence*, (Furukawa, T, Yoshimura, A, Sumizawa, T, Haraguchi, M, Akiyama, S-I, Fukui, K, Ishizawa, M, Yamada, Y) **356,** 668
Retinoblastoma gene product activates expression of the human *TGF-β2* gene through transcription factor ATF-2, *Letter to Nature*, (Kim, S-J, Wagner, S, Liu, F, O'Reilly, M A, Robbins, P D, Green, M R) **358,** 331
An unusual feature revealed by the crystal structure at 2.2 Å resolution of human transforming growth factor-β2, *Letter to Nature*, (Schlunegger, M P, Grütter, M G) **358,** 430
Platelet-derived growth factor stimulates synthesis of PtdIns(3,4,5)P_3 by activating a PtdIns(4,5)P_2 3-OH kinase, *Letter to Nature*, (Hawkins, P T, Jackson, T R, Stephens, L R) **358,** 157
Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca^{2+} flux but not mitogenesis, *Letter to Nature*, (Peters, K G, Marie, J, Wilson, E, Ives, H E, Escobedo, J, Del Rosario, M, Mirda, D, Williams, L T) **358,** 678
Point mutation in FGF receptor eliminates phosphatidylinositol hydrolysis without affecting mitogenesis, *Letter to Nature*, (Mohammadi, M, Dionne, C A, Li, W, Li, N, Spivak, T, Honegger, A M, Jaye, M, Schlessinger, J) **358,** 681
Targeted disruption of the mouse transforming growth factor - β1 gene results in multifocal inflammatory disease, *Article*, (Shull, M M, Ormsby, I, Kier, A B, Pawlowski, S, Diebold, R J, Yin, M, Allen, R, Sidman, C, Proetzel, G, Calvin, D, Annunziata, N, Doetschman, T) **359,** 693
α-Inhibin is a tumour-suppressor gene with gonadal specificity in mice, *Article*, (Matzuk, M M, Finegold, M J, Su, J-G J, Hsueh, A J W, Bradley, A) **360,** 313
Growth regulation, *Journal review*, (Heath, J K, Schulster, D) **359,** 442
Growth hormones. Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth, *Letter to Nature*, (Lin, C, Lin, S-C, Chang, C-P, Rosenfeld, M G) **360,** 765
Group asks NIH to stop growth hormone trials, *News*, (Anderson, C) **358,** 4
Bovine growth hormone meets new safety concerns, *News*, (Gershon, D) **358,** 614
Watch that dog!, *Correspondence*, (Jukes, T H) **360,** 292
GTP-binding proteins. Exocytotic fusion is activated by Rab3a peptides, *Letter to Nature*, (Oberhauser, A F, Monck, J R, Balch, W E, Fernandez, J M) **360,** 271
Escherichia coli cell-division gene *ftsZ* encodes a novel GTP-binding protein, *Letter to Nature*, (RayChaudhuri, D, Park, J T) **359,** 251
The essential bacterial cell-division protein FtsZ is a GTPase, *Letter to Nature*, (de Boer, P, Crossley, R, Rothfield, L) **359,** 254
Signal transduction: Rac and Rho in tune, *News and views*, (Downward, J) **359,** 273
Elongation factor-1α gene determines susceptibility to transformation, *Letter to Nature*, (Tatsuka, M, Mitsui, H, Wada, M, Nagata, A, Nojima, H, Okayama, H) **359,** 333
GTPase-activating proteins. Aberrant regulation of *ras* proteins in malignant tumour cells from type 1 neurofibromatosis patients, *Letter to Nature*, (Basu, T N, Gutmann, D H, Fletcher, J A, Glover, T W, Collins, F S, Downward, J) **356,** 713
RAS regulation: NF is enough of GAP, *News and views*, (Bollag, G, McCormick, F) **356,** 663
GTPases. Association between GTPase activators for Rho and Ras families, *Letter to Nature*, (Settleman, J, Albright, C F, Foster, L C, Weinberg, R A) **359,** 153
Escherichia coli cell-division gene *ftsZ* encodes a novel GTP-binding protein, *Letter to Nature*, (RayChaudhuri, D, Park, J T) **359,** 251
The essential bacterial cell-division protein FtsZ is a GTPase, *Letter to Nature*, (de Boer, P, Crossley, R, Rothfield, L) **359,** 254
Guanine nucleotides. Brefeldin A inhibits Golgi membrane-catalysed exchange of guanine nucleotide onto ARF protein, *Letter to Nature*, (Donaldson, J G, Finazzi, D, Klausner, R D) **360,** 350
Inhibition by brefeldin A of a Golgi membrane enzyme that catalyses exchange, *Letter to Nature*, (Helms, J B, Rothman, J E) **360,** 352
Guanine-nucleotide-binding proteins. Association of the Shc and Grb2/Sem5 SH2-containing proteins is implicated in activation of the Ras pathway by tyrosine kinases, *Letter to Nature*, (Rozakis-Adcock, M, McGlade, J, Mbamalu, G, Pelicci, G, Daly, R, Li, W, Batzer, A, Thomas, S, Brugge, J, Pelicci, P G, Schlessinger, J, Pawson, T) **360,** 689
Guanine-nucleotide-releasing factors. Molecular cloning of cDNAs encoding a guanine-nucleotide-releasing factor for Ras p21, *Letter to Nature*, (Shou, C, Farnsworth, C L, Neel, B G, Feig, L A) **358,** 351
Signal transduction: Exchange rate mechanisms, *News and views*, (Downward, J) **358,** 282
Guinea-pigs. Origin of rodents and guinea-pigs, *Scientific correspondence*, (Li, W-H, Hide, W A, Graur, D) **359,** 277
Gulf War. Oil and combustion-product contamination of the Gulf marine environment following the war, *Letter to Nature*, (Readman, J W, Fowler, S W, Villeneuve, J-P, Cattini, C, Oregioni, B, Mee, L D) **358,** 662
Self-cleaning of the Gulf, *Scientific correspondence*, (Sorkhoh, N, Al-Hasan, R, Radwan, S, Höpner, T) **359,** 109
Gupta, V J. Gupta's return: Pressure grows on Panjab University, *News*, (Jayaraman, K S) **356,** 97
Political pressure?, *Correspondence*, (Soni, M G) **356,** 652
Indian palaeontology: Back from the dead, *News*, (Maddox, J) **355,** 578
Indian rope trick, *Opinion*, **355,** 660
Gustducin. Gustducin is a taste-cell-specific G protein closely related to the transducins, *Article*, (McLaughlin, S K, McKinnon, P J, Margolskee, R F) **357,** 563
Habitat. Importance of habitat saturation and territory quality for evolution of cooperative breeding in the Seychelles warbler, *Letter to Nature*, (Komdeur, J) **358,** 493; *Erratum*, **360,** 768
Hadley, Suzanne. Hadley protests, *Correspondence*, (Hadley, S W) **356,** 556
Haem polymerase. Malaria: How chloroquine works, *News and views*, (Wellems, T E) **355,** 108
Inhibition by chloroquine of a novel haem polymerase enzyme activity in malaria trophozoites, *Letter to Nature*, (Slater, A F G, Cerami, A) **355,** 167
Haematology. Defective anion transport activity of the abnormal band 3 in hereditary ovalcytic red blood cells, *Letter to Nature*, (Schofield, A E, Reardon, D M, Tanner, M J A) **355,** 836
Haematopoiesis. Bone and haematopoietic defects in mice lacking *c-fos*, *Letter to Nature*, (Wang, Z-Q, Ovitt, C, Grigoriadis, A E, Möhle-Steinlein, U, Rüther, U, Wagner, E F) **360,** 741
Formation of haematopoietic microenvironment and haematopoietic stem cells from single human bone marrow stem cells, *Letter to Nature*, (Huang, S, Terstappen, L W M M) **360,** 745
Haematopoiesis: All-dancing stem cells?, *News and Views*, (Dexter, T M, Allen, T D) **360,** 709
Haemoglobin. Protein engineering in haemoglobin, *Scientific correspondence*, (Giardina, B, Scatena, R, Clementi, M E, Cerroni, L, Condo, S G, Nuutinen, M, Brix, O) **355,** 777
A human recombinant haemoglobin designed for use as a blood substitute, *Letter to Nature*, (Looker, D, Abbott-Brown, D, Cozart, P, Durfee, S, Hoffman, S, Mathews, A J, Miller-Roehrich, J, Shoemaker, S, Trimble, S, Fermi, G, Komiyama, N H, Nagai, K, Stetler, G L) **356,** 258
A single point mutation is the cause of the Greek form of hereditary persistance of fetal haemoglobin, *Letter to Nature*, (Berry, M, Grosveld, F, Dillon, N) **358,** 499
Blood substitutes and infection, *Scientific correspondence*, (Otto, B R, Verweij-van Vught, A M J J, MacLaren, D M) **358,** 23
Protein function below 220 K, *Scientific correspondence*, (Perutz, M F) **358,** 548
Haemophiliacs, HIV. French blood contamination, *Correspondence*, (Allain, J-P) **360,** 99
Haemostasis. Blood coagulation and fibrinolysis: An international journal in haemostasis and thrombosis, *Journal review*, (Heptinstall, S, Francis, J L, Gordon, S G) **359,** 447
Hair-cell transduction. Molecular transduction: Do the ear's links link?, *News and views*, (Ashmore, J, Evans, M) **356,** 111
Halogen lamps. Halogen lamp carcinogenicity, *Scientific correspondence*, (De Flora, S, D'Agostini, F) **356,** 569
Halons. A decrease in the growth rates of atmospheric halon concentrations, *Letter to Nature*, (Butler, J H, Elkins, J W, Hall, B D, Cummings, S O, Montzka, S A) **359,** 403
Hanbury Brown, Robert. Boffin: A personal story of the early days of radar, radio-astronomy and quantum optics, *Book review by* Jones, R V. **356,** 299
Handedness, biological. Biological asymmetry and handedness, Ciba Foundation Symposium 162, *Book review by* Slack, J. **355,** 217
Handedness. Script handedness, *Scientific correspondence*, (Knight, B) **357,** 202
Haptonemata. Phycology: What the haptonema is for, *News and views*, (Lewin, R A) **356,** 195
Harvey, William. The diary of William Harvey: The imaginary journal of the physician who revolutionized medicine, *Book review by* Porter, R. **360,** 382
Hawaiian Islands. Impaled prey, *Scientific correspondence*, (Gillespie, R G) **355,** 212
Hawking, Stephen. Stephen Hawking: A life in science, *Book review by* Mitton, S. **356,** 25
Hawking on film: first-rate account of a first-rate mind, *News*, (Heppenheimer, T A) **359,** 8
Hazards. Natural hazards, *Book review by* Perry, A H. **356,** 119
Healing, wounds. Actin cables and epidermal movement in embryonic wound healing, *Letter to Nature*, (Martin, P, Lewis, J) **360,** 179
Health care. Researchers urge boycott of supply company in labour dispute with warehouse employees, *News*, (Gershon, D) **360,** 290
Choosing the limits to life, *Commentary*, (Lohman, P H M, Sankaranarayanan, K, Ashby, J) **357,** 185
Saving on health, *Opinion*, **359,** 257
Population crisis, *Correspondence*, (Marshall, A) **355,** 291
Health hazards, air pollution. Air pollution and health, *Corre-*

spondence, (Paoletti, P, Marchesi, E, Velona, F, Donato, L) **355**, 290
Health hazards, radiation exposure. Epidemiology: Leukaemia linked to radiation, *News*, (Aldhous, P) **355**, 381
Health hazards, US. One policy for all?, *News*, (Anderson, C) **358**, 181
Health hazards. Health in the headlines: The stories behind the stories, *Book review by* Relman, A S, **356**, 754
Delaney's revenge: Court rejects US approach to assessing cancer risks in processed foods, *News*, (Anderson, C) **358**, 181
The British Medical Association guide to pesticides and health, *Book review by* Hay, A, **357**, 653
Occupational risks, *Correspondence*, (Coles, G V) **359**, 99
Healy, Bernadine. Healy in a hurry, *Opinion*, **356**, 547
Hearing. Molecular transduction: Do the ear's links link?, *News and views*, (Ashmore, J, Evans, M) **356**, 111
The Evolutionary Biology of Hearing. *Book review by* Wilczynski, W, **358**, 202
Heart disease. Myocardial infarction: The ACE of hearts, *News and views*, (Kurtz, T W) **359**, 588
Heart muscle. Stationary and drifting spiral waves of excitation in isolated cardiac muscle, *Letter to Nature*, (Davidenko, J M, Pertsov, A V, Salomonsz, R, Baxter, W, Jalife, J) **355**, 349
Heat flow, Earth. Earth sciences: The Earth's core in a nutshell, *News and views*, (Jacobs, J A) **356**, 286
Analytical model for solidification of the Earth's core, *Letter to Nature*, (Buffett, B A, Huppert, H E, Lister, J R, Woods, A W) **356**, 329
A model for the global variation in oceanic depth and heat flow with lithospheric age, *Article*, (Stein, C A, Stein, S) **359**, 123
Heat-shock proteins. No diabetes link to hsp65?, *Scientific correspondence*, (Latchman, D) **356**, 114
Heat shock in *Escherichia coli* alters the protein-binding properties of the chaperonin groEL by inducing its phosphorylation, *Letter to Nature*, (Sherman, M Y, Goldberg, A L) **357**, 167
Hsp90 chaperones protein folding *in vitro*, *Letter to Nature*, (Wiech, H, Buchner, J, Zimmermann, R, Jakob, U) **358**, 169
Helioseismology. Interpretation of solar-cycle variability in high-degree p-mode frequencies, *Letter to Nature*, (Evans, D J, Roberts, B) **355**, 230
Helium-3, nucleosynthesis. Detection of helium-3 in a planetary nebula, *Letter to Nature*, (Rood, R T, Bania, T M, Wilson, T L) **355**, 618
Henderson, Brian. Brian Henderson named president of Salk Institute, *News*, (Watson, T) **359**, 569
Hensen's node. Evidence that Hensen's node is a site of retinoic acid synthesis, *Letter to Nature*, (Hogan, B L M, Thaller, C, Eichele, G) **359**, 237
Hepatocytes. A transcriptional hierarchy involved in mammalian cell-type specification, *Letter to Nature*, (Kuo, C J, Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) **355**, 457
Herbivores. Patch production by cattle, *Scientific correspondence*, (Homewood, K) **359**, 109
Herbivory. Effect of animal husbandry on herbivore-carrying capacity at a regional scale, *Letter to Nature*, (Oesterheld, M, Sala, O E, McNaughton, S J) **356**, 234
Hereditary ovalocytosis. Defective anion transport activity of the abnormal band 3 in hereditary ovalcytic red blood cells, *Letter to Nature*, (Schofield, A E, Reardon, D M, Tanner, M J A) **355**, 836
Hereditary persistence of fetal haemoglobin. A single point mutation is the cause of the Greek form of hereditary persistance of fetal haemoglobin, *Letter to Nature*, (Berry, M, Grosveld, F, Dillon, N) **358**, 499
Herpesvirus. Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins, *Letter to Nature*, (Nicholas, J, Cameron, K R, Honess, R W) **355**, 362
Hertzsprung-Russell sequence. Stellar evolution: Growing old before our eyes, *News and views*, (Weiss, A) **355**, 392
Heterogeneous chemistry, ozone depletion. More rapid polar ozone depletion through the reaction of HOCl with HCl on polar stratospheric clouds, *Letter to Nature*, (Prather, M J) **355**, 534
Heteropolyanions. Anion guests in heteropolyanions?, *Scientific correspondence*, (Pope, M T) **355**, 27
Hexatic phases. Liquid-hexatic phase transitions in single molecular layers of liquid-crystal films, *Letter to Nature*, (Geer, R, Stoebe, T, Huang, C C, Pindak, R, Goodby, J W, Cheng, M, Ho, J T, Hui, S W) **355**, 152
High-energy astronomy. A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942, *Letter to Nature*, (Mirabel, I F, Rodriguez, L F, Cordier, B, Paul, J, Lebrun, F) **358**, 215
High-energy astronomy: The big accelerator in the sky, *News and views*, (Phinney, E S) **358**, 189
High-energy physics, Japan. Japanese physicists say SSC will hurt domestic research, *News*, (Swinbanks, D) **358**, 266
B-factory tops Japanese wish list, *News*, (Swinbanks, D) **358**, 266
High-energy physics, US. High-energy physics: Zero-sum game, *News*, (Anderson, C) **356**, 97
High-energy physics: Z not, *News*, (Anderson, C) **356**, 99
Superconducting supercollider: Congress attacks contractor, accountants, *News*, (Anderson, C) **356**, 554
SLAC defended, *Correspondence*, (Richter, B) **357**, 354
Which accelerator will be next?, *Opinion*, **358**, 263
Japanese physicists say SSC will hurt domestic research, *News*, (Swinbanks, D) **358**, 266
Another phoenix?, *Opinion*, **357**, 613
House vote to kill SSC reflects squeeze that budget deficit puts on all research, *News*, (Mervis, J, Anderson, C) **357**, 616
Supercollider creates a field of dreams for luring high-energy physicists to Texas, *Commentary*, (Mervis, J) **357**, 632
Four who have come, *Commentary*, (Mervis, J) **357**, 633
High-energy physics. High-energy physics: Casting more light on light, *News and views*, (Miller, D J) **357**, 285
Japanese scientists begin closed debate on size of contribution to SSC, *News*, (Swinbanks, D) **359**, 177
CERN told to pay $70 million to engineering consortium, *News*, (Aldhous, P) **355**, 285
High-pressure mineralogy. Stability of high-density clinoenstatite at upper-mantle pressures, *Letter to Nature*, (Angel, R J, Chopelas, A, Ross, N L) **358**, 322
Tilt and northward offset of Cordilleran batholiths resolved using igneous barometry, *Letter to Nature*, (Ague, J J, Brandon, M T) **360**, 146
Geophysics: Earth's core not so hot, *News and views*, (Duba, A) **359**, 197
High-pressure physics. Squeezing diamond from fullerenes, *News and views*, (Ball, P) **355**, 205
Crushing C_{60} to diamond at room temperature, *Letter to Nature*, (Regueiro, M N, Monceau, P, Hodeau, J-L) **355**, 237
A high-pressure van der Waals compound in solid nitrogen-helium mixtures, *Letter to Nature*, (Vos, W L, Finger, L W, Hemley, R J, Hu, J Z, Mao, H K, Schouten, J A) **358**, 46
High-pressure physics: Make or break with fullerenes, *News and views*, (Duclos, S) **359**, 479
High-redshift galaxies. Cosmology: Feeding the beast, *News and views*, (Sanders, D) **356**, 284
High-temperature superconductivity. High-temperature superconductivity: Natural Josephson junctions, *News and views*, (Pegrum, C) **358**, 193
Superconductivity at 110 K in the infinite-layer compound $(Sr_{1-x}Ca_x)_{1-y}CuO_2$, *Letter to Nature*, (Azuma, M, Hiroi, Z, Takano, M, Bando, Y, Takeda, Y) **356**, 775
Hard times for high-T_c press, *News*, **359**, 180
Higher education, India. Institute for best and brightest, *News*, (Jayaraman, K S) **355**, 194
Higher education, UK. UK higher education: Faraday, Newton .. and Parnaby?, *News*, (Mundell, I) **356**, 467
Slump in seed-corn, *Opinion*, **358**, 610
Himalayas, tectonics. Causes of recent Himalayan uplift deduced from deposited patterns in the Ganges basin, *Letter to Nature*, (Burbank, D W) **357**, 680
Raising the roof of the world, *News and views*, (Ball, P) **357**, 642
Hippocampus. Glutamate-induced long-term potentiation of the frequency of miniature synaptic currents in cultured hippocampal neurons, *Article*, (Malgaroli, A, Tsien, R W) **357**, 134
Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine, *Letter to Nature*, (Thompson, L T, Moskal, J R, Disterhoft, J F) **359**, 638
Hisactophilin. Structure of hisactophilin is similar to interleukin-1ß and fibroblast growth factor, *Letter to Nature*, (Habazettl, J, Gondol, D, Wiltscheck, R, Otlewski, J, Schleicher, M, Holak, T A) **359**, 885
Histones. Stabilization of sea urchin flagellar microtubules by histone H1, *Article*, (Multigner, L, Gagnon, J, Van Dorsselaer, A, Job, D) **360**, 33
Which histone kinase?, *Scientific correspondence*, (Cano, E, Barratt, M J, Mahadevan, L C) **360**, 116
Chromatin as an essential part of the transcriptional mechanism, *Review article*, (Felsenfeld, G) **355**, 219
History of medicine. Miasmas and disease: Public health and the environment in the pre-industrial age, *Book review by* Davenport-Hines, R, **356**, 639
The fourth horseman: A short history of epidemics, plagues and other scourges, *Book review by* Davenport-Hines, R, **356**, 639
History of science. Metchnikoff and the origins of immunology: From metaphor to theory, *Book review by* Rosen, F S, **356**, 119
Le dernier langage de la Médecine: Histoire de l'immunologie de Pasteur au Sida, *Book review by* Rosen, F S, **356**, 119
The French Paracelsians: The chemical challenge to medical and scientific tradition in early modern France, *Book review by* Crosland, M, **356**, 204
Babbage's dates, *Correspondence*, (Steel, D I) **356**, 653
A history of regeneration research: Milestones in the evolution of a science, *Book review by* Mittwoch, U, **356**, 671
A conceptual history of modern embryology. Volume 7 of developmental biology: A comprehensive synthesis, *Book review by* Mittwoch, U, **356**, 671
To the ends of the Earth: Women's search for education in medicine, *Book review by* Rossiter, M W, **356**, 485
Nationalism and internationalism in science, 1880-1939: Four studies of the Nobel population, *Book review by* Barkan, D, **358**, 116
Articulating the Elephant Man: Joseph Merrick and his interpreters, *Book review by* Neve, M, **358**, 199
Science under control: The French Academy of Sciences 1795-1914, *Book review by* Gillispie, C C, **357**, 652
Copernican Columbus?, *Opinion*, **359**, 564
The Planets: Portraits of New Worlds, *Book review by* Hughes, D W, **359**, 684
Worlds in the Sky: Planetary Discovery from Earliest Times Through Voyager and Magellan, *Book review by* Hughes, D W, **359**, 684
Science and Religion: Some Historical Perspectives, *Book review by* Temperley, H N V, **359**, 685
Ideas in Chemistry: A History of the Science, *Book review by* Harman, P, **359**, 785
Science as Public Culture: Chemistry and Enlightenment in Britain, 1760-1820, *Book review by* Harman, P, **359**, 785
From Caveman to Chemist, *Book review by* Harman, P, **359**, 785
Descartes' metaphysical physics, *Book review by* Hall, A R, **358**, 633
A history of the mind: evolution and the birth of consciousness, *Book review by* Longuet-Higgins, C, **360**, 117
A skeptical biochemist, *Book review by* Reynolds, J, **359**, 203
Rewriting the history of science, *Correspondence*, (Milne, A) **359**, 265
Brown's observations confirmed, *Correspondence*, (Ford, B J) **359**, 265
Horse power: A history of the horse and the donkey in human societies, *Book review by* Cunningham, P, **359**, 279
Superconductivity: Its historical roots and development from mercury to the ceramic oxides, *Book review by* Shoenberg, D, **359**, 281
Myths of the German atom bomb, *Commentary*, (Walker, M) **359**, 473
History of animals (3 volumes); parts of animals, movement of animals, progression of animals (1 volume); generation of animals (1 volume), *Book review by* Temple, R, **359**, 489
Enquiry into plants, on odours, on weather-signs (2 volumes); *De causis plantarum* (3 volumes), *Book review by* Temple, R, **359**, 489
The investigation of difficult things: Essays on Newton and the history of the exact sciences, *Book review by* Shea, W R, **359**, 595
The diary of William Harvey: The imaginary journal of the physician who revolutionized medicine, *Book review by* Porter, R, **360**, 382
James Hutton and the history of geology, *Book review by* Rudwick, M, **360**, 392
Eighteen-ninety two and all that, *Commentary*, (Heilbron, J L, Bynum, W F) **355**, 11
In the wake of Galileo, *Book review by* Naylor, R, **355**, 597
The geography of science, *Book review by* McNeill, W H, **355**, 599
History, science. Science and the theory of history, *Opinion*, **356**, 271
HIV infection. Rising toll from AIDs in Japan prompts big jump in spending, *News*, (Swinbanks, D) **358**, 699
HIV tests. US rejects French request to reopen AIDS patent deal, *News*, (Anderson, C, Butler, D) **359**, 262
HIV vaccine. Popovic says OSI is wrong, *Correspondence*, (Popovic, M) **358**, 533
HIV, gene expression. Structure of HIV-1 reverse transcriptase/DNA complex at 7 Å resolution showing active site locations, *Letter to Nature*, (Arnold, E, Jacobo-Molina, A, Nanni, R G, Williams, R L, Lu, X, Ding, J, Clark, A D, Zhang, A, Ferris, A L, Clark, P, Hizi, A, Hughes, S H) **357**, 85
HIV, haemophiliacs. French blood contamination, *Correspondence*, (Allain, J-P) **360**, 99
HIV, infant transmission. Birth and HIV, *News and views*, **355**, 22
HIV, infected blood. France's blood scandal draws blood, *Opinion*, **359**, 759
Verdict in French blood trial shames science, *News*, (Butler, D) **359**, 764
HIV, transmission. AIDS causation, *Correspondence*, (Hodgkinson, N) **358**, 447
Another taboo bites the dust, *Opinion*, **360**, 397
AIDS and sexual behaviour in France, *Commentary*, (ACSF investigators) **360**, 407
Sexual lifestyles and HIV risk, *Commentary*, (Johnson, A M, Wadsworth, J, Wellings, K, Bradshaw, S, Field, J) **360**, 410
HIV, vaccine. US company's gene therapy trial is first to bypass RAC for approval, *News*, (Anderson, C) **357**, 615
HIV: to vaccinate or not to vaccinate?, *Commentary*, (Ada, G, Blanden, B, Mullbacher, A) **359**, 572
HIV. Rage and confusion hide role of HIV, *News and views*, (Maddox, J) **357**, 188
Alterations in a yeast protein resembling HIV-*Tat*-binding protein relieve requirement for an acidic activation domain in GAL4, *Letter to Nature*, (Swaffield, J C, Bromberg, J F, Johnston, S A) **357**, 698; *Erratum*, **360**, 768
New human gene encoding a positive modulator of HIV Tat-mediated transactivation, *Letter to Nature*, (Shibuya, H, Irie, K, Ninomiya-Tsuji, J, Goebl, M, Taniguchi, T, Matsumoto, K) **357**, 700
Superantigen implicated in dependence of HIV-1 replication in T cells on TCR Vß expression, *Letter to Nature*, (Laurence, J, Hodtsev, A S, Posnett, D N) **358**, 255
Human infection by genetically diverse SIV_{sm}-related HIV-2 in West Africa, *Letter to Nature*, (Gao, F, Yue, L, White, A T, Pappas, P G, Barchue, J, Hanson, A P, Greene, B M, Sharp, P M, Shaw, G M, Hahn, B H) **358**, 495
Model prospects, *News and views*, **357**, 641

Universal cellular tropism?, *Scientific correspondence*, (Nara, P. Tsai, W-P. Kung, H-F, Minassian, A, Garrity, R, Goudsmit, J, Rimmelzwaan, G) **360,** 215

Inhibition of furin-mediated cleavage activation of HIV-1 glycoprotein gp160, *Letter to Nature*, (Hallenberger, S, Bosch, V, Angliker, H, Shaw, E, Klenk, H-D, Garten, W) **360,** 358

The candidate oncoprotein Bcl-3 is an antagonist of p50/NF-κB-mediated inhibition, *Letter to Nature*, (Franzoso, G, Bours, V, Park, S, Tomita-Yamaguchi, M, Kelly, K, Siebenlist, U) **359,** 339

AIDS and malaria experiments, *Scientific correspondence*, (Gosden, R G) **355,** 305

UK fund created: HIV compensation, *News*, (Aldhous, P) **355,** 666

Prevention of HIV-1 infection in chimpanzees by gp120 V3 domain-specific monoclonal antibody, *Letters to Nature*, (Emini, E A *et al.*) **355**, 728

HLA molecules. Predominant naturally processed peptides bound to HLA-DR1 are derived from MHC-related molecules and are heterogeneous in size, *Letter to Nature*, (Chicz, R M, Urban, R G, Lane, W S, Gorga, J C, Stern, L J, Vignali, D A A, Strominger, J L) **358,** 764

Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle, *Letter to Nature*, (Guo, H-C, Jardetzky, T S, Garrett, T P J, Lane, W S, Strominger, J L, Wiley, D C) **360,** 364

Molecular analysis of the association of HLA-B53 and resistance to severe malaria, *Article*, (Hill, A V S, Elvin, J, Willis, A C, Aidoo, M, Allsopp, C E M, Gotch, F M, Gao, X M, Takiguchi, M, Greenwood, B M, Townsend, A R M, McMichael, A J, Whittle, H C) **360,** 434

HLA-DR molecules from an antigen-processing mutant cell line are associated with invariant chain peptides, *Letter to Nature*, (Riberdy, J M, Newcomb, J R, Surman, M J, Barbosa, J A, Cresswell, P) **360,** 474

Malaria: Another route to a vaccine?, *News and views*, (Cox, F E G) **360,** 417

HLA-disease associations. Immunogenetics: Viruses, cancer and the MHC, *News and views*, (Klitz, W) **356,** 17

HLA antigens and cervical carcinoma, *Scientific correspondence*, (Glew, S S, Stern, P L, Davidson, J A, Dyer, P A, Wank, R, Schendel, D J, Thomssen, C, Helland, Å, Borresen, A L, Kaern, J, Ronningen, K S, Thorsby, E) **356,** 23

Molecular mimicry in liver disease, *Scientific correspondence*, (Burroughs, A K, Butler, P, Sternberg, M J E, Baum, H) **358,** 377

HMG domain. DNA-protein interactions: HMG has DNA wrapped up, *News and views*, (Lilley, D M J) **357,** 282

Hodgkin, Alan. Chance and design: Reminiscences of science in peace and war, *Book review by* Perutz, M F. **359,** 113

Hole burning. Spectroscopy: Molecular computer memory, *News and views*, (Haarer, D) **355,** 297

Optical modification of a single impurity molecule in a solid, *Letter to Nature*, (Basché, Th, Moerner, W E) **355,** 335

Developmental defects of the ear, cranial nerves and hindbrain resulting from targeted disruption of the mouse homeobox gene *Hox-1.6*, *Articles*, **355**, 516

Homeobox genes. Nested expression domains of four homeobox genes in developing rostral brain, *Letter to Nature*, (Simeone, A, Acampora, D, Gulisano, M, Stornaiuolo, A, Boncinelli, E) **358,** 687

Hydra and the homeobox, *News and views*, (Gee, H) **358,** 539

Homeotic transformation of the occipital bones of the skull by ectopic expression of a homeobox gene, *Letter to Nature*, (Lufkin, T, Mark, M, Hart, C P, Dollé, P, LeMeur, M, Chambon, P) **359,** 835

Development and evolution: Mice and flies head to head, *News and views*, (Holland, P, Ingham, P, Krauss, S) **358,** 627

Activation of *C. elegans Antennapedia* homologue in migrating cells controls their direction of migration, *Letter to Nature*, (Salser, S J, Kenyon, C) **355,** 255

Erratum: Mouse *Small eye* results from mutations in a paired-like homeobox-containing gene, *Letter to Nature*, (Hill, R E *et al.*) **355**, 750

Homeopathy. Europe tightens rules that govern homeopathic products, *News*, (Abbott, A) **359,** 469

Homeotic transformations. Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment, *Letter to Nature*, (Mohanty-Hejmadi, P, Dutta, S K, Mahapatra, P) **355,** 352

Hominids, language. Language gap, *Scientific correspondence*, (Davidson, I, Noble, W, Davidson, I, Noble, W) **355,** 403

Language gap: Reply, *Scientific correspondence*, (Foley, R) **355,** 404

Hominids. New Middle Pleistocene hominid crania from Yunxian in China, *Letter to Nature*, (Tianyuan, L, Etler, D A) **357,** 404

Palaeoanthropology: A remote sense for fossils, *News and views*, (Wood, B) **355,** 397

Hominoidea. Evolution and environment in the Hominoidea, *Review article*, (Andrews, P) **360,** 641

Hominoids. *Otavipithecus namibiensis*, first Miocene hominoid from southern Africa, *Letter to Nature*, (Conroy, G C, Pickford, M, Senut, B, Van Couvering, J, Mein, P) **356,** 144

Palaeoanthropology: An ape from the south, *News and views*, (Andrews, P) **356,** 106

Homo. Earliest *Homo* debate, *Scientific correspondence*, (Feibel, C S) **358,** 289

Earliest *Homo* debate: Reply, *Scientific correspondence*, (Hill, A, Ward, S, Deino, A, Curtis, G, Drake, R) **358,** 290

Earliest *homo* debate, *Scientific correspondence*, (Falk, D, Baker, E) **358,** 289

Homoeobox. Developmental biology: Homing in on the homeobox, *News and views*, (Riddihough, G) **357,** 643

Homologous recombination. The structure of the *E. coli recA* protein monomer and polymer, *Article*, (Story, R M, Weber, I T, Steitz, T A) **355,** 318

Molecular biology: recA: from locus to lattice, *News and views*, (McEntee, K) **355,** 302

Homosexuality. Nature of human sexuality, *Correspondence*, (Goodman, R E) **355,** 103

Honey bees. Killer bees: The Africanized honey bee in the Americas, *Book review by* Seeley, T D. **356,** 626

Do simple rules apply in honey-bee nestmate discrimination?, *Letter to Nature*, (Breed, M D, Julian, G E) **357,** 685

Hormone signalling. Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature*, (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441

Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature*, (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446

Horses. Horse scents, *News and views*, **357,** 114

Horse power: A history of the horse and the donkey in human societies, *Book review by* Cunningham, P. **359,** 279

Host-guest chemistry. Anion guests in heteropolyanions?, *Scientific correspondence*, (Pope, M T) **355,** 27

Hot dark matter. Large-scale structure in a universe with mixed hot and cold dark matter, *Letter to Nature*, (Davis, M, Summers, F J, Schlegel, D) **359,** 393

Hotspots. Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246

Ridges, hotspots and their interaction as observed in seismic velocity maps, *Article*, (Zhang, Y-S, Tanimoto, T) **355,** 45

Hoyle, Sir Fred. Hoyle statue unveiled, *News*, (Maddox, J) **358,** 269

***Hox* genes.** Neuroectodermal autonomy of *Hox-2.9* expression revealed by rhombomere transpositions, *Letter to Nature*, (Guthrie, S, Muchamore, I, Kuroiwa, A, Marshall, H, Krumlauf, R, Lumsden, A) **356,** 157

Targeted misexpression of *Hox-4.6* in the avian limb bud causes apparent homeotic transformations, *Letter to Nature*, (Morgan, B A, Izpisua-Belmonte, J-C, Duboule, D, Tabin, C J) **358,** 236

Deformed autoregulatory element from *Drosophila* functions in a conserved manner in transgenic mice, *Letter to Nature*, (Awgulewitsch, A, Jacobs, D) **358,** 341

A human *HOX4B* regulatory element provides head-specific expression in *Drosophila* embryos, *Letter to Nature*, (Malicki, J, Cianetti, L C, Peschle, C, McGinnis, W) **358,** 345

Vertebrate development: A tool for transgenesis, *News and views*, (Tickle, C) **358,** 188

Expression of *Hox-7.1* in myoblasts inhibits terminal differentiation and induces cell transformation, *Letter to Nature*, (Song, K, Wang, Y, Sassoon, D) **360,** 477

Retinoic acid alters hindbrain *Hox* code and induces transformation of rhombomeres 2/3 into a 4/5 identity, *Letter to Nature*, (Marshall, H, Nonchev, S, Sham, M H, Muchamore, I, Lumsden, A, Krumlauf, R) **360,** 737

HTLV. HTLV-II among pygmies, *Scientific correspondence*, (Goubau, P, Desmyter, J, Ghesquiere, J, Kasereka, B) **359,** 201

Hubble Space Telescope. NASA's problems in space eat into time for research, *News*, (Mundell, J) **358,** 529

Possible cataclysmic variable in the core of the globular cluster 47 Tucanae, *Letter to Nature*, (Paresce, F, De Marchi, G, Ferraro, F R) **360,** 46

The O/C abundance ratio in absorbing gas clouds at high redshift, *Letter to Nature*, (Reimers, D, Vogel, S, Hagen, H-J, Engels, D, Groote, D, Wamsteker, W, Clavel, J, Rosa, M R) **360,** 561

Black hole is M87's bright spot, *News and views*, (Pease, R) **355,** 399

Human evolution. Human origins: Genetics and geography, *News and views*, (Goldman, N, Barton, N H) **357,** 440

Origins reconsidered: In search of what makes us human, *Book review by* Conroy, G C. **360,** 393

Palaeoanthropology: A remote sense for fossils, *News and views*, (Wood, B) **355,** 397

Language gap, *Scientific correspondence*, (Davidson, I, Noble, W, Davidson, I, Noble, W) **355,** 403

Language gap: Reply, *Scientific correspondence*, (Foley, R) **355,** 404

Human Frontier Science Program. Imaginative biology, *Opinion*, **356,** 272

Frontier research: Strasbourg project grows, *News*, (Maddox, J) **356,** 277

Human Frontiers in rough water, *Opinion*, **358,** 525

Conflict over scope of research splits Human Frontier programme, *News*, (Swinbanks, D, Mervis, J, Abbott, A) **358,** 527

Human Frontiers looks for leader in Europe; US wavers, *News*, (Swinbanks, D, Abbott, A) **359,** 567

What frontiers for Frontier?, *Commentary*, (Wada, A) **357,** 356

Scope of Human Frontiers, *Correspondence*, (Bernsen, N O) **359,** 99

Japanese science: Frontiers win, *News*, (Swinbanks, D) **355,** 379

Frontiers future, *Correspondence*, (Tocchini-Valentini, G P) **358,** 618

Human genetics. Human genetics: The costs of instability, *News and views*, (Davies, K E) **356,** 15

A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, *Letter to Nature*, (Lifton, R P, Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) **355,** 262

Human Genome Organisation. HUGO opposes Venter, *News*, (Aldhous, P) **355,** 194

Human Genome Project: Still room for HUGO?, *News*, (Anderson, C, Aldhous, P) **355,** 4

Human Genome Project, ethics. Gene mapping: Using law and ethics as guides, *Book review by* Nelkin, D. **360,** 380

Human Genome Project, patents. Human genome: MRC follows NIH on patents, *News*, (Aldhous, P) **356,** 98

Patents for genomes?, *Opinion*, **358,** 176

Human Genome Project, US. Wall Street remains bearish on value of genome project, *News*, (Anderson, C) **358,** 180

Public opinion of gene patents, *Correspondence*, (Macer, D) **358,** 272

Human Genome Project. Watson resigns, genome project open to change, *News*, (Anderson, C) **356,** 549

US genome head faces charges of conflict, *News*, (Anderson, C) **356,** 463

Healy in a hurry, *Opinion*, **356,** 547

Genome propaganda, *Opinion*, **357,** 524

The code of codes: Scientific and social issues in the human genome project, *Book review by* Brenner, S. **358,** 27

A second-generation linkage map of the human genome, *Article*, (Weissenbach, J, Gyapay, G, Dib, C, Vignal, A, Morissette, J, Millasseau, P, Vaysseix, G, Lathrop, M) **359,** 794

The 'far east' of biological ethics, *Commentary*, (Macer, D) **359,** 770

Variation is now the theme, *News and views*, (Goodfellow, P N) **359,** 777

Human genome project: Mapping the way ahead, *News and views*, (Little, P) **359,** 367

US genome project doer it the French way, conceding that size matters after all, *News*, (Anderson, C) **360,** 401

DNA sequences, *Correspondence*, (Auffray, C) **355,** 292

Human Genome Project: Still room for HUGO?, *News*, (Anderson, C, Aldhous, P) **355,** 4

Genome project faces commercialization test, *News*, (Anderson, C, Aldhous, P) **355,** 483

Human genome. Canada commits money for human genome research, *News*, (Spurgeon, D) **357,** 428

Continuum of overlapping clones spanning the entire human chromosome 21q, *Article*, (Chumakov, I, Rigault, P, Guillou, S, Ougen, P, Billaut, A, Guasconi, G, Gervy, P, LeGall, I, Soularue, P, Grinas, L, Bougueleret, L, Bellanné-Chantelot, C, Lacroix, B, Barillot, E, Gesnouin, P, Pook, S, Vaysseix, G, Frelat, G, Schmitz, A, Sambucy, J-L, Bosch, A, Estivill, X, Weissenbach, J, Vignal, A, Riethman, H, Cox, D, Patterson, D, Gardiner, K, Hattori, M, Sakaki, Y, Ichikawa, H, Ohki, M, Le Paslier, D, Heilig, R, Antonarakis, S, Cohen, D) **359,** 380

FBI attaches strings to its DNA database, *News*, (Anderson, C) **357,** 618

Human height. Rifkin wins battle over NIH growth trials, *News*, (Watson, T) **358,** 529

Human infertility. Count down, *News and views*, **359,** 194

Human insulin. German institutes, industry seek to ease genetic engineering laws, *News*, (Abbott, A) **359,** 93

Biotechnology loses another battle in Germany, *News*, (Abbott, A) **360,** 402

Human mind, evolution of. Origins of the modern mind: Three stages in the evolution of culture and cognition, *Book review by* Morton, J. **355,** 31

Human origins. Koobi Fora research project. Volume 4: Hominid cranial remains, *Book review by* Delson, E. **360,** 544

Human population. Offspring of scientists, *Correspondence*, (Beck, R A, Connolly, R C) **358,** 617

Human rights, China. Visitors to China urged to protest, *News*, (Anderson, C) **357,** 5

Chinese scientist arrested for entrepreneurial spirit, *News*, (Li, Y Q) **359,** 763

Human rights, *Correspondence*, (Chau, P-L, Yang, H) **360,** 292

Plight of Wei Jingsheng, *Correspondence*, (Ebbesmeyer, C C, Ingraham, W J Jr, McKinnon, R, Okubo, A, Strickland, R, Wang, D-P, Willing, P) **360,** 405

Human rights, Cuba. Human rights in Cuba, *Correspondence*, (Lago, A J) **356,** 470

Human rights. Canadian research council found guilty of job bias, *News*, (Spurgeon, D) **359,** 95

Canada apologizes to physicist, *News*, (Spurgeon, D) **359,** 353

Human serum albumin. Atomic structure and chemistry of human serum albumin, *Article*, (He, X M, Carter, D C) **358,** 209

Human sexuality. AIDS and sexual behaviour in France, *Com-*

mentary, (ACSF investigators) **360,** 407
Sexual lifestyles and HIV risk, *Commentary*, (Johnson, A M, Wadsworth, J, Wellings, K, Bradshaw, S, Field, J) **360,** 410
Hungarian Academy of Sciences. Hungarian law will protect academics strapped for cash, *News*, (Abbott, A) **359,** 180
Hungary, environmental politics. Environmental politics: The Danube: Dams over troubled waters, *News*, (Land, T) **355,** 289
Hungary, research. Hungary's plans, *Correspondence*, (Nyiri, L) **357,** 432
Hungary, science. Science reforms in Hungary, *Correspondence*, (Kellermayer, M) **355,** 291
Hungarian science confronts its past, *Commentary*, (Anderson, C) **355,** 669
Hurricanes. FEMA's testing time, *Opinion*, **359,** 1
Hurricane pounds Florida research facilities, *News*, (Anderson, C) **359,** 7
Predicting hurricane tracks, *Scientific correspondence*, (Bennett, A, Hagelberg, C, Leslie, L) **360,** 423
Hutton, James. James Hutton and the history of geology, *Book review by* Rudwick, M. **360,** 392
Huxley, Thomas Henry. Thomas Henry Huxley: Communicating for science, *Book review by* Patterson, C. **355,** 782
Hybrid sterility. A test of reciprocal X-Y interactions as a cause of hybrid sterility in *Drosophila*, *Letter to Nature*, (Johnson, N A, Perez, D E, Cabot, E L, Hollocher, H, Wu, C-I) **358,** 751
Hydrocarbons. A new hydrocarbon cage, *News and views*, (Lindoy, L F) **359,** 778
Hydrochemistry. Changes in the hydrochemistry of the Black Sea inferred from water density profiles, *Letter to Nature*, (Tugrul, S, Basturk, O, Saydam, C, Yilmaz, A) **359,** 137
Hydrodynamics. Collimation of astrophysical jets by inertial confinement, *Letter to Nature*, (Icke, V, Mellema, G, Balick, B, Eulderink, F, Frank, A) **355,** 524
Hydroelectric dams. Environmental politics: The Danube: Dams over troubled waters, *News*, (Land, T) **355,** 289
Hydrogen clouds. Cosmology: Fresh light on dark ages, *News and views*, (Peacock, J) **355,** 203
Hydrogen, solid. Under pressure, *News and views*, **357,** 114
Hydrogen. Surface physics: Hydrogen atoms band together, *News and views*, (Nieminen, R) **356,** 289
Hydrological cycle. Modelling the hydrological cycle in assessments of climate change, *Review article*, (Rind, D, Rosenzweig, C, Goldberg, R) **358,** 119
The hydrological cycle and its influence on climate, *Review article*, (Chahine, M T) **359,** 373
Changes in surface salinity of the North Atlantic Ocean during the last deglaciation, *Letter to Nature*, (Dupiessy, J C, Labeyrie, L, Arnold, M, Paterne, M, Duprat, J, van Weering, T C E) **358,** 485
Hydrology. Substantial hydrogen solubility in olivine and implications for water storage in the mantle, *Letter to Nature*, (Bai, Q, Kohlstedt, D L) **357,** 672
Earth sciences: Water in mantle minerals, *News and views*, (Bell, D R) **357,** 646
Hydrothermal vents. Helium/heat ratios and deposition temperatures of sulphides from the ocean floor, *Letter to Nature*, (Turner, G, Stuart, F) **357,** 581
Mats of giant sulphur bacteria on deep-sea sediments due to fluctuating hydrothermal flow, *Letter to Nature*, (Gundersen, J K, Jørgensen, B B, Larsen, E, Jannasch, H W) **360,** 454
Fire under the sea: The discovery of the most extraordinary environment on Earth - Volcanic hot springs on the ocean floor, *Book review by* Smith, P J, **355,** 32
Hydroxyl, atmospheric. Interhemispheric asymmetry in OH abundance inferred from measurements of atmospheric ^{14}CO, *Letter to Nature*, (Brenninkmeijer, C A M, Manning, M R, Lowe, D C, Wallace, G, Sparks, R J, Volz-Thomas, A) **356,** 50
5-hydroxytryptamine receptor. A single amino-acid difference confers major pharmacological variation between human and rodent 5H-T_{1B} receptors, *Letter to Nature*, (Oksenberg, D, Marsters, S A, O'Dowd, B F, Jin, H, Havlik, S, Peroutka, S J, Ashkenazi, A) **360,** 161
Hypersonic vehicles. Hanging out for the hypersonic plane, *Commentary*, (Handberg, R, Johnson-Freese, J, Webb, D C) **355,** 491
Hypertension. A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, *Letter to Nature*, (Lifton, R P, Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) **355,** 262
Hypervalent compounds. Six of one, *News and views*, **355,** 302
Hypervalent molecules. Observation of hypervalent CLi_5 by Knudsen-effusion mass spectrometry, *Letter to Nature*, (Kudo, H) **355,** 432
Hypoxia. Vascular endothelial growth factor induced by hypoxia may mediate hypoxia-initiated angiogenesis, *Letter to Nature*, (Shweiki, D, Itin, A, Soffer, D, Keshet, E) **359,** 843
Ice cores. Palaeoclimatology: Merely the tip of the ice core, *News and views*, (Peel, D) **359,** 274
Sudden changes in North Atlantic circulation during the last deglaciation, *Article*, (Lehman, S J, Keigwin, L D) **356,** 757
Water mass exchange between the North Atlantic and the Norwegian Sea during the past 28,000 years, *Letter to Nature*, (Veum, T, Jansen, E, Arnold, M, Beyer, I, Duplessy, J-C) **356,** 783
Climate: Deep ocean circulation puzzle, *News and views*, (Zahn, R) **356,** 744
Deep circulation revisited, *Scientific correspondence*, (Lehmann, S J, Keigwin, L D) **358,** 197
Ice-age atmospheric concentration of nitrous oxide from an Antarctic ice core, *Letter to Nature*, (Leuenberger, M, Siegenthaler, U) **360,** 449
Irregular glacial interstadials recorded in a new Greenland ice core, *Letter to Nature*, (Johnsen, S J, Clausen, H B, Dansgaard, W, Fuhrer, K, Gundestrup, N, Hammer, C U, Iversen, P, Jouzel, J, Stauffer, B, Steffensen, J P) **359,** 311
Ice crystals. Ice-crystal growth and lectins, *Scientific correspondence*, (Rubinsky, B, Coger, R, Ewart, K V, Fletcher, G L) **360,** 113
Ice sheets, Antarctic. Evidence for basal marine ice in the Filchner-Ronne ice shelf, *Letter to Nature*, (Oerter, H, Kipfstuhl, J, Determann, J, Miller, H, Wagenbach, D, Minikin, A, Graf, W) **358,** 399
Geochronological evidence supporting Antarctic deglaciation three million years ago, *Letter to Nature*, (Barrett, P J, Adams, C J, McIntosh, W C, Swisher, C C III, Wilson, G S) **359,** 816
Is the Antarctic ice sheet growing?, *Review article*, (Jacobs, S S) **360,** 29
Antarctic ice sheets at risk?, *News and views*, (Sugden, D) **359,** 775
Antarctic global warming?, *Scientific correspondence*, (Splettstoesser, J) **355,** 503
Ice sheets, global warming. Will greenhouse warming lead to Northern Hemisphere ice-sheet growth?, *Letter to Nature*, (Miller, G H, de Vernal, A) **355,** 244
Ice sheets, Mars. Martian moraines, *News and views*, **355,** 209
Ice sheets, Mount Kenya. Greenhouse indicators in Kenya, *Scientific correspondence*, (Hastenrath, S, Kruss, P D) **355,** 503
Ice sheets. Irregular oscillations of the West Antarctic ice sheet, *Article*, (MacAyeal, D R) **359,** 29
Evidence for massive discharges of icebergs into the North Atlantic ocean during the last glacial period, *Letter to Nature*, (Bond, G, Heinrich, H, Broecker, W, Labeyrie, L, McManus, J, Andrews, J, Huon, S, Jantschik, R, Clasen, S, Simet, C, Tedesco, K, Klas, M, Bonani, G, Ivy, S) **360,** 245
Primary production in the glacial North Atlantic and North Pacific oceans, *Letter to Nature*, (Sancetta, C) **360,** 249
Climate change: Following iceberg footprints, *News and views*, (Jansen, E) **360,** 212
Tectonic forcing of late Cenozoic climate, *Review article*, (Raymo, M E, Ruddiman, W F) **359,** 117
Palaeoclimatology: Avoiding a permanent ice age, *News and views*, (Kuhn, W R) **359,** 196
Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, *Letter to Nature*, (Caldeira, K, Kasting, J F) **359,** 226
Irregular glacial interstadials recorded in a new Greenland ice core, *Letter to Nature*, (Johnsen, S J, Clausen, H B, Dansgaard, W, Fuhrer, K, Gundestrup, N, Hammer, C U, Iversen, P, Jouzel, J, Stauffer, B, Steffensen, J P) **359,** 311
Ichnology. Ichnos: An international journal for plant and animal traces, *Journal review*, (Yochelson, E L, Pemberton, S G, Frey, R W) **359,** 452
ICI. ICI splits in two, forms drugs company, *News*, (Mundell, I) **358,** 443
IgE receptor. Engagement of the high-affinity IgE receptor activates *src* protein-related tyrosine kinases, *Letter to Nature*, (Eiseman, E, Bolen, J B) **355,** 78
Image processing. CVGIP: Graphical models and image processing, *Journal review*, (Holburn, D, Badler, N I, Chellappa, R) **359,** 454
CVGIP: Image understanding, *Journal review*, (Holburn, D, Shapiro, L G) **359,** 454
Journal of visual communication and image representation, *Journal review*, (Holburn, D, Zeevia, Y Y, Hsing, T R) **359,** 454
Imanishi-Kari affair. US drops Imanishi-Kari investigation; Baltimore withdraws *Cell* retraction, *News*, (Anderson, C, Watson, T) **358,** 177
Immigration, Europe. Problems of European law, *Correspondence*, (Gambacorti, C) **356,** 738
Immunoassays. Automated real-time immunoassay of biomolecules, *Product review*, (Afeyan, N B, Gordan, N F, Regnier, F E) **358,** 603
Immunogenetics. Immunogenetics: Viruses, cancer and the MHC, *News and views*, (Klitz, W) **356,** 17
HLA antigens and cervical carcinoma, *Scientific correspondence*, (Glew, S S, Stern, P L, Davidson, J A, Dyer, P A, Wank, R, Schendel, D J, Thomssen, C, Helland, Å, Borresen, A L, Kaern, J, Ronningen, K S, Thorsby, E) **356,** 23
Linkage of regression and malignant conversion of rabbit viral papillomas to MHC class II genes, *Letter to Nature*, (Han, R, Breitburd, F, Marche, P N, Orth, G) **356,** 66
Immunoglobulins. Targeted disruption of μ chain membrane exon causes loss of heavy-chain allelic exclusion, *Letter to Nature*, (Kitamura, D, Rajewsky, K) **356,** 154
Glycosyl-phosphatidylinositol linkage as a mechanism for cell-surface expression of immunoglobulin D, *Letter to Nature*, (Wienands, J, Reth, M) **356,** 246
Tyrosine-containing motif that transduces cell activation signals also determines internalization and antigen presentation via type III receptors for IgG, *Letter to Nature*, (Amigorena, S, Salamero, J, Davoust, J, Fridman, W H, Bonnerot, C) **358,** 337
CD21 is a ligand for CD23 and regulates IgE production, *Letter to Nature*, (Aubry, J-P, Pochon, S, Graber, P, Jansen, K U, Bonnefoy, J-Y) **358,** 505
Crystal structure of a streptococcal protein G domain bound to an Fab fragment, *Letter to Nature*, (Derrick, J P, Wigley, D B) **359,** 752
Immunology. The seeds of time: the life of Sir Macfarlane Burnet, *Book review by* Roitt, I M. **355,** 779
Extrathymic positive selection of αß T-cell precursors in nude mice, *Letter to Nature*, (Speiser, D E, Stübi, U, Zinkernagel, R M) **355,** 170
Genetic immunization is a simple method for eliciting an immune response, *Letter to Nature*, (Tang, D-c, DeVit, M, Johnston, S A) **356,** 152
Metchnikoff and the origins of immunology: From metaphor to theory, *Book review by* Rosen, F S. **356,** 119
Le dernier langage de la Médecine: Histoire de l'immunologie de Pasteur au Sida, *Book review by* Rosen, F S. **356,** 119
HLA-A2 molecules in an antigen-processing mutant cell contain signal sequence-derived peptides, *Letter to Nature*, (Wei, M L, Cresswell, P) **356,** 443
Chagas' disease: Defence cuts begin to bite, *News and views*, (Parham, P) **356,** 291
CD28-mediated signalling co-stimulates murine T cells and prevents induction of anergy in T-cell clones, *Letter to Nature*, (Harding, F A, McArthur, J G, Gross, J A, Raulet, D H, Allison, J P) **356,** 607
Specific low-affinity recognition of major histocompatibility complex plus peptide by soluble T-cell receptor, *Letter to Nature*, (Weber, S, Traunecker, A, Oliveri, F, Gerhard, W, Karjalainen, K) **356,** 793
MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8, *Letter to Nature*, (König, R, Huang, L-Y, Germain, R N) **356,** 796
Identification of a CD4 binding site on the ß, domain of HLA-DR molecules, *Letter to Nature*, (Cammarota, G, Scheirle, A, Takacs, B, Doran, D M, Knorr, R, Bannwarth, W, Guardiola, J, Sinigaglia, F) **356,** 799
Nuclear factor of activated T cells contains Fos and Jun, *Letter to Nature*, (Jain, J, McCaffrey, P G, Valge-Archer, V E, Rao, A) **356,** 801
Molecular and biological characterization of a murine ligand for CD40, *Letter to Nature*, (Armitage, R J, Fanslow, W C, Strockbine, L, Sato, T A, Clifford, K N, Macduff, B M, Anderson, D M, Gimpel, S D, Davis-Smith, T, Maliszewski, C R, Clark, E A, Smith, C A, Grabstein, K H, Cosman, D, Spriggs, M K) **357,** 80
Autoimmunity: Hidden lymphocytes, *News and views*, (DeFranco, A L) **357,** 14
How do B-1 cells originate?, *News and views*, (DeFranco, A L) **357,** 14
Cytokines: Poking holes in the network, *News and views*, (Paul, W E) **357,** 16
Effect of polymorphism of an MHC-linked transporter on the peptides assembled in a class I molecule, *Article*, (Powis, S J, Deverson, E V, Coadwell, W J, Ciruela, A, Huskisson, N S, Smith, H, Butcher, G W, Howard, J C) **357,** 211
An immunological role for the CD8 ß-chain, *Letter to Nature*, (Wheeler, C J, von Hoegen, P, Parnes, J R) **357,** 247
Irreversible association of peptides with class II MHC molecules in living cells, *Letter to Nature*, (Lanzavecchia, A, Reid, P A, Watts, C) **357,** 249
Location of MHC-encoded transporters in the endoplasmic reticulum and *cis*-Golgi, *Letter to Nature*, (Kleijmeer, M J, Kelly, A, Geuze, H J, Slot, J W, Townsend, A, Trowsdale, J) **357,** 342
Proteolysis, proteasomes and antigen presentation, *Review article*, (Goldberg, A L, Rock, K L) **357,** 375
Rapid switching to multiple antigenic and adhesive phenotypes in malaria, *Letter to Nature*, (Roberts, D J, Craig, A G, Berendt, A R, Pinches, R, Nash, G, Marsh, K, Newbold, C I) **357,** 689
Processing pathways for presentation of cytosolic antigen to MHC class II-restricted T cells, *Letter to Nature*, (Malnati, M S, Marti, M, LaVaute, T, Jaraquemada, D, Biddison, W, DeMars, R, Long, E O) **357,** 702
Association of tyrosine kinase $p56^{lck}$ with CD4 inhibits the induction of growth through the αß T-cell receptor, *Letter to Nature*, (Haughn, L, Gratton, S, Caron, L, Sékaly, R-P, Veillette, A, Julius, M) **358,** 328
Signal sequence identified, *Scientific correspondence*, (Hartmann, E, Rapoport, T A, Prehn, S) **358,** 198
Immunochemical assays and biosensor technology for the 1990s, *Book review by* Malan, G. **358,** 200
Cytotoxic T-lymphocyte activation involves a cascade of signalling and adhesion events, *Letter to Nature*, (O'Rourke, A M, Mescher, M F) **358,** 253
Superantigen implicated in dependence of HIV-1 replication in T cells on TCR Vß expression, *Letter to Nature*, (Laurence, J, Hodtsev, A S, Posnett, D N) **358,** 255
CD21 is a ligand for CD23 and regulates IgE production, *Letter to Nature*, (Aubry, J-P, Pochon, S, Graber, P, Jansen, K U, Bonnefoy, J-Y) **358,** 505
Evidence for a viral superantigen in humans, *Letter to Nature*, (Lafon, M, Lafage, M, Martinez-Arends, A, Ramirez, R, Vuillier, F, Charron, D, Lotteau, V, Scott-Algara, D) **358,** 507

Malaria: Asexual deviants take over, *News and views*, (Howard, R J) **357,** 647

Immunology: A sense of something missing, *News and views*, (Raulet, D H) **358,** 21

MHC class I alloantigen specificity of Ly-49$^+$ IL-2-activated natural killer cells, *Letter to Nature*, (Karlhofer, F M, Ribaudo, R K, Yokoyama, W M) **358,** 66

Antibody and HIV-1 gp120 recognition of CD4 undermines the concept of mimicry between antibodies and receptors, *Letter to Nature*, (Davis, S J, Schockmel, G A, Somoza, C, Buck, D W, Healey, D G, Rieber, E P, Reiter, C, Williams, A F) **358,** 76

Encyclopedia of immunology. 3 volumes, *Book review by* Rosen, F S, **358,** 463

Spreading of T-cell autoimmunity to cryptic determinants of an autoantigen, *Letter to Nature*, (Lehmann, P V, Forsthuber, T, Miller, A, Sercarz, E E) **358,** 155

Predominant naturally processed peptides bound to HLA-DR1 are derived from MHC-related molecules and are heterogeneous in size, *Letter to Nature*, (Chicz, R M, Urban, R G, Lane, W S, Gorga, J C, Stern, L J, Vignali, D A A, Strominger, J L) **358,** 764

Infection breaks T-cell tolerance, *Letter to Nature*, (Röcken, M, Urban, J F, Shevach, E M) **359,** 79

Positive selection of T-lymphocytes induced by intrathymic injection of a thymic epithelial cell line, *Letter to Nature*, (Vukmanovic, S, Grandea III, A G, Faas, S J, Knowles, B B, Bevan, M J) **359,** 729

HIV: to vaccinate or not to vaccinate?, *Commentary*, (Ada, G, Blanden, B, Muilbacher, A) **359,** 572

Antibodies from libraries, *Scientific correspondence*, (Burton, D R, Barbas, C F III) **359,** 782

Antigen presentation: Flying the first class flag, *News and views*, (Parham, P) **357,** 193

Original and artificial antibodies, *Scientific correspondence*, (Gherardi, E, Milstein, C) **357,** 201

Immunology, *Book review by* Scott, D W, **358,** 632

Advanced immunology, second edition, *Book review by* Scott, D W, **358,** 632

Superantigens: Playing upon both sides, *News and views*, (Esser, U, Parham, P) **359,** 19

Mutations in T-cell antigen receptor genes α and ß block thymocyte development at different stages, *Article*, (Mombaerts, P, Clarke, A R, Rudnicki, M A, Iacomini, J, Itohara, S, Lafaille, J j, Wang, L, Ichikawa, Y, Jaenisch, R, Hooper, M L, Tonegawa, S) **360,** 225

Lifespan of human lymphocyte subsets defined by CD45 isoforms, *Letter to Nature*, (Michie, C A, McLean, A, Alcock, C, Beverley, P C L) **360,** 264

GM-CSF and TNF-α cooperate in the generation of dendritic Langerhans cells, *Letter to Nature*, (Caux, C, Dezutter-Dambuyant, C, Schmitt, D, Banchereau, J) **360,** 258

Allelic exclusion model questioned, *Scientific correspondence*, (Wabl, M, Steinberg, C, Oancea, A, Shulman, M J, Rajewsky, K, Ehlich, A, Müller, W, Taki, S, Kitamura, D) **359,** 371

Truncation variants of peptides isolated from MHC class II molecules suggest sequence motifs, *Letter to Nature*, (Rudensky, A Yu, Preston-Hurlburt, P, Al-Ramadi, B K, Rothbard, J, Janeway, C A Jr) **359,** 429

Molecular cloning of ICAM-3, a third ligand for LFA-1, constitutively expressed on resting leukocytes, *Letter to Nature*, (Fawcett, J, Holness, C L L, Needham, L A, Turley, H, Gatter, K C, Mason, D Y, Simmons, D L) **360,** 481

Cloning and characterization of a new intercellular adhesion molecule ICAM-R, *Letter to Nature*, (Vazeux, R, Hoffman, P A, Tomita, J K, Dickinson, E S, Jasman, R L, St John, T, Gallatin, W M) **360,** 485

CD1b restricts the response of human CD4·8$^-$ T lymphocytes to a microbial antigen, *Letter to Nature*, (Porcelli, S, Morita, C T, Brenner, M B) **360,** 593

Immunology: Deconstructing the MHC, *News and views*, (Parham, P) **360,** 300

Superantigen data, *Scientific correspondence*, (Fraser, J D, Lafon, M) **360,** 423

A cell line that can induce thymocyte positive selection, *Letter to Nature*, (Hugo, P, Kappler, J W, Godfrey, D I, Marrack, P C) **360,** 679

Immunization of hu-PBL-SCID mice and the rescue of human monoclonal Fab fragments through combinatorial libraries, *Letter to Nature*, (Duchosal, M A, Eming, S A, Fischer, P, Leturcq, D, Barbas, C F, McConahey, P J, Caothien, R H, Thornton, G B, Dixon, F J, Burton, D R) **355,** 258

Death by superantigen, *Scientific correspondence*, (Ochi, A, Kawabi, Y) **355,** 211

Death by superantigen: Reply, *Scientific correspondence*, (Cohen, J J, Duke, R C, Sellins, K S) **355,** 212

Maintenance of MHC polymorphism, *Scientific correspondence*, (Hughes, A L, Nei, M) **355,** 402

Maintenance of MHC polymorphism: Reply, *Scientific correspondence*, (Hill, A V S, Kwiatkowski, D, McMichael, A J, Greenwood, B M, Bennett, S) **355,** 403

Mapping T-cell receptor-peptide contacts by variant peptide immunization of single chain-chain transgenics, *Article*, (Jorgensen, J L, Esser, U, de St Groth, B F, Reay, P A, Davis, M M) **355,** 224

Immunophilins. High brain densities of the immunophilin FKBP colocalized with calcineurin, *Letter to Nature*, (Steiner, J P, Dawson, T M, Fotuhi, M, Glatt, C E, Snowman, A M, Cohen, N, Snyder, S H) **358,** 584

Immunosuppression. FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature*, (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692

Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, *Letter to Nature*, (Clipstone, N A, Crabtree, G R) **357,** 695

The mysterious virus called "isn't", *News and views*, (Cullinton, B J) **358,** 619

Calcineurin mediates inhibition by FK506 and cyclosporin of recovery from α-factor arrest in yeast, *Letter to Nature*, (Foor, F, Parent, S A, Morin, N, Dahl, A M, Ramadan, N, Chrebet, G, Bostian, K A, Nielsen, J B) **360,** 682

Impact craters, Cretaceous/Tertiary boundary. Petrogenesis of an auxite-bearing melt rock in the Chicxulub structure and its relationship to K/T impact spherules in Haiti, *Letter to Nature*, (Kring, D A, Boynton, W V) **358,** 141

New links between the Chicxulub impact structure and the Cretaceous/Tertiary boundary, *Letter to Nature*, (Sharpton, V L, Dalrymple, G B, Ryder, G, Schuraytz, B C, Urrutia-Fucugauchi, J, Marín, L E) **359,** 819

Impact craters. Planetary science: Airblast scars on Venus, *News and views*, (Melosh, H J) **358,** 622

Recent grazing impacts on the Earth recorded in the Rio Cuarto crater field, Argentina, *Letter to Nature*, (Schultz, P H, Lianza, R E) **355,** 234

Impact glasses. Petrogenesis of an auxite-bearing melt rock in the Chicxulub structure and its relationship to K/T impact spherules in Haiti, *Letter to Nature*, (Kring, D A, Boynton, W V) **358,** 141

Impacts, asteroids. Hit or miss?, *Correspondence*, (Schwartz, S E) **355,** 196

Implantation, embryo. Blastocyst implantation depends on maternal expression of leukaemia inhibitory factor, *Letter to Nature*, (Stewart, C L, Kaspar, P, Brunet, L J, Bhatt, H, Gadi, I, Köntgen, F, Abbondanzo, S J) **359,** 76

Cytokines: Can there be life without LIF?, *News and views*, (Heath, J K) **359,** 17

India, biotechnology. Biotechnology: Indian centre receives funds, *News*, (Jayaraman, K S) **355,** 192

India, higher education. Institute for best and brightest, *News*, (Jayaraman, K S) **355,** 194

India, missile programme. Indian missile test fizzles out, *News*, (Jayaraman, K S) **357,** 352

India, palaeontology. Indian palaeontology: Back from the dead, *News*, (Maddox, J) **355,** 578

India, polio vaccine. French modify polio plant in India, *News*, (Jayaraman, K S) **360,** 3

India, research. Indian bureaucracy, *Correspondence*, (Lal, A K) **358,** 706

Indian budget: Tough ti es ahead, *News*, (Jayaraman, K S) **356,** 97

India goes to sea for research funds, *News*, (Jayaraman, K S) **357,** 183

Five-year plan cuts funding for Indian laboratories, *News*, (Jayaraman, K S) **360,** 7

Defence scientist quits Indian post for US academic job, *News*, (Jayaraman, K S, Watson, T) **358,** 613

Political pressure?, *Correspondence*, (Soni, M G) **356,** 652

Indian court bans quotas that give share of science posts to outcasts, *News*, (Jayaraman, K S) **358,** 9

Indian rope trick, *Opinion*, **355,** 660

India, space programme. US leans on Russia to drop rocket agreement, *News*, (Jayaraman, K S) **356,** 732

Russians reassure India on rocket contract, *News*, (Jayaraman, K S) **357,** 99

India claims market drives US ban on space contracts, *News*, (Jayaraman, K S) **357,** 271

India, Superconducting Super Collider. No SSC for India, *News*, (Mervis, J) **356,** 98

India, universities. Gupta's return: Pressure grows on Panjab University, *News*, (Jayaraman, K S) **356,** 97

India, waste disposal. Scavengers undermine Indian incinerator, *News*, (Jayaraman, K S) **359,** 763

India-France, vaccination project. Polio vaccine: French-Indian project in jeopardy, *News*, (Jayaraman, K S) **356,** 94

India-Russia cooperation. Rajiv Gandhi, *Correspondence*, (Raju, N P) **357,** 105

India/Russia cooperation: Joint projects lack money, *News*, (Jayaraman, K S) **356,** 185

India/Russia cooperation: Russians look to India for jobs, *News*, (Jayaraman, K S) **356,** 185

Induction. The gene *lin-3* encodes an inductive signal for vulval development in *C. elegans*, *Article*, (Hill, R J, Sternberg, P W) **358,** 470

Developmental biology: Inducing concentric worm holes, *News and views*, (Herman, R K) **358,** 450

Industrial research, Australia. Australia: Funding scheme dies, *News*, (Lawson, M) **355,** 663

Industrial research, Japan. Japanese industrial research, *News and views*, (Maddox, J) **355,** 493

Industrial research. Industrial research: Grassroots consortia go back to the basics, *News*, (Anderson, C) **356,** 371

Industrial research: Panel calls for technology company, *News*, (Anderson, C) **356,** 372

Industrial-academic collaborations. French increase ties with industry but researchers still face hurdles, *News*, (Butler, D) **358,** 531

Fraunhofer institutes told to get more from industry, *News*, (Abbott, A) **360,** 96

Recession forces Japanese industry to cut back on support of universities, *News*, (Swinbanks, D) **360,** 98

NSF gets a pat on the back in report suggesting stronger industrial ties, *News*, (Mervis, J) **360,** 285

Merging for strength, *News*, **360,** 515

Industrialized nations, G7 summit. Ducking big problems is cowardly, *Opinion*, **358,** 175

Industry, research. British Petroleum to slash US and UK research staff, *News*, (Abbott, A) **358,** 528

US government asked to fund more industrial research, *News*, (Anderson, C) **358,** 615

Industry, UK. Living with monopoly, *Opinion*, **356,** 180

Europe's recalcitrant offshore island, *Opinion*, **359,** 347

Industry, US. Agencies told to transfer technology - or else, *News*, (Anderson, C) **359,** 350

Sharing out NASA's spoils, *Commentary*, (Bezdek, R H, Wending, R M) **355,** 105

Infant foods. Infant food, *Correspondence*, (Adebajo, A O, Adebajo, A F) **355,** 10

Dirty habits, *Correspondence*, (Gordon, A G, Gordon, A G) **355,** 196

Infection. Infection breaks T-cell tolerance, *Letter to Nature*, (Röcken, M, Urban, J F, Shevach, E M) **359,** 79

Infectious diseases. Infectious diseases are not banished, *Opinion*, **359,** 657

Infertility, human. Count down, *News and views*, **359,** 194

Inflammatory diseases. Targeted disruption of the mouse transforming growth factor - ß1 gene results in multifocal inflammatory disease, *Article*, (Shull, M M, Ormsby, I, Kier, A B, Pawlowski, S, Diebold, R J, Yin, M, Allen, R, Sidman, C, Proetzel, G, Calvin, D, Annunziata, N, Doetschman, T) **359,** 693

Inflation, cosmology. Cosmology back to the beginning, *News and views*, (Silk, J) **356,** 741

Influenza virus. Influenza virus: Amantadine blocks the channel, *News and views*, (Skehel, J J) **358,** 110

Atomic structure of a human MHC molecule presenting an influenza virus peptide, *Letter to Nature*, (Silver, M L, Guo, H-C, Strominger, J L, Wiley, D C) **360,** 367

Information storage. Spectroscopy: Molecular computer memory, *News and views*, (Haarer, D) **355,** 297

Infrared astronomy. Cosmology: Feeding the beast, *News and views*, (Sanders, D) **356,** 284

Molecular gas content of the primaeval galaxy IRAS 10214+4724, *Letter to Nature*, (Solomon, P M, Radford, S J E, Downes, D) **356,** 318

Origin of the hot gas and radio blobs at the Galactic Centre, *Letter to Nature*, (Wardle, M, Yusef-Zadeh, F) **357,** 308

Evidence for single-temperature dust in the Crab nebula from a reanalysis of its infrared spectrum, *Letter to Nature*, (Strom, R G, Greidanus, H) **358,** 654

Galaxy formation: Struggling with hieroglyphics, *News and views*, (Blitz, L) **360,** 21

Spatially resolved near-infrared emission and a bubble of hot gas in the central active region of the Galaxy, *Letter to Nature*, (Eckart, A, Genzel, R, Krabbe, A, Hofmann, R, van der Werf, P P, Drapatz, S) **355,** 526

A search during the 1991 solar eclipse for the infrared signature of circumsolar dust, *Letter to Nature*, (Hodapp, K-W, MacQueen, R M, Hall, D N B) **355,** 707

Infrared reflectivity, superconductivity. Infrared reflectivity measurements of a superconducting energy scale in Rb_3C_{60}, *Letter to Nature*, (Rotter, L D, Schlesinger, Z, McCauley, J P, Coustel, N, Fischer, J E, Smith, A B) **355,** 532

Inherited diseases. Veterinary medicine: Molecular genetics arrives on the farm, *News and views*, (Womack, J E) **360,** 108

α-Inhibin. α-Inhibin is a tumour-suppressor gene with gonadal specificity in mice, *Article*, (Matzuk, M M, Finegold, M J, Su, J-G J, Hsueh, A J W, Bradley, A) **360,** 313

Inorganic chemistry. Oxygen chemistry, *Book review by* Griffith, W P, **356,** 298

Six of one, *News and views*, **355,** 302

Observation of hypervalent ClI$_3$ by Knudsen-effusion mass spectrometry, *Letter to Nature*, (Kudo, H) **355,** 432

Chemical bonding: Fixing a molecular snapshot, *News and views*, (Fowler, P) **355,** 586

Control of dissolution rates of orthosilicate minerals by divalent metal-oxygen bonds, *Letter to Nature*, (Casey, W H, Westrich, H R) **355,** 157

Anion guests in heteropolyanions?, *Scientific correspondence*, (Pope, M T) **355,** 27

Triple helix in a trice, *News and views*, (Pease, R) **355,** 677

Inositol 1, 3, 5-tetrakisphosphate. Inositol 1, 3, 5-tetrakisphosphate activates an endothelial CaS_2-permeable channel, *Letter to Nature*, (Lückhoff, A, Clapham, D E) **355,** 356

Inositol 1,4,5-trisphosphate. Quantal calcium release by purified reconstituted inositol 1,4,5-trisphosphate receptors, *Letter to Nature*, (Ferris, C D, Cameron, A M, Huganir, R L, Snyder, S H) **356,** 350

Inositol phosphate metabolism. The Lowe's oculocerebrorenal syndrome gene encodes a protein highly homologous to inositol polyphosphate-5-phosphatase, *Letter to Nature*, (Attree, O, Olivos, I M, Okabe, I, Bailey, L C, Nelson, D L, Lewis, R A, McInnes, R R, Nussbaum, R L, Attree, O, Olivos, I M, Okabe, I, Bailey, L C, Nelson, D L, Lewis, R A, McInnes, R R, Nussbaum, R L) **358,** 239

Inositol trisphosphate. Ca^{2+} release induced by inositol 1,4,5-trisphosphate is a steady-state phenomenon controlled by

luminal Ca^{2+} in permeabilized cells, *Letter to Nature*, (Missiaen, L, De Smedt, H, Droogmans, G, Casteels, R) **357,** 599
Inositol-1,4,5-trisphosphate. Electrical bursting in islet ß cells, *Scientific correspondence*, (Cook, D L) **357,** 28
Electrical bursting in islet ß cells: Reply, *Scientific correspondence*, (Rorsman, P, Berggren, P-O) **357,** 28
Insect development. Changing role of *even-skipped* during the evolution of insect pattern formation, *Letter to Nature*, (Patel, N H, Ball, E E, Goodman, C S) **357,** 339
Insect palaeontology. Insect fossils: End of the 'Uniramia' taxon, *News and views*, (Shear, W A) **359,** 477
Insect taxonomy. Lost and found, *News and views*, **355,** 209
Insects. Locomotion by jumping in the Mediterranean fruit fly larva *Ceratitis capitata*, *Letter to Nature*, (Maitland, P) **355,** 159
..and some even hotter, *Scientific correspondence*, (Chevaldonné, P, Desbruyères, D, Childress, J J) **359,** 593
Eusociality in Australian gall thrips, *Letter to Nature*, (Crespi, B J) **359,** 724
Reproductive biology: Sex and the male stick insect, *News and views*, (Giorgi, P P) **357,** 444
Insect chemical ecology: An evolutionary approach, *Book review by* Wyatt, T D. **360,** 120
Insect chemical ecology: An evolutionary approach, *Book review by* Wyatt, T D. **360,** 120
Insertional mutagenesis. Cystic fibrosis: More from the modellers, *News and views*, (Wilson, J M, Collins, F S) **359,** 195
Cystic fibrosis in the mouse by targeted insertional mutagenesis, *Article*, (Dorin, J R, Dickinson, P, Alton, E W F W, Smith, S N, Geddes, D M, Stevenson, B J, Kimber, W L, Fleming, S, Clarke, A R, Hooper, M L, Anderson, L, Beddington, R S P, Porteous, D J) **359,** 211
Insulin, human. Human insulin, *Correspondence*, (Kiln, M R, Sugarman, A, Williams, G, Patrick, A W) **359,** 355
Insulin. Trying times for human insulin, *Commentary*, (Wolff, S P) **356,** 375
Biotechnology loses another battle in Germany, *News*, (Abbott, A) **360,** 402
Integrins. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion, *Letter to Nature*, (Blobel, C P, Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) **356,** 248
Cell biology: A family of fusion proteins, *News and views*, (Aitken, J) **356,** 196
Prevention of experimental autoimmune encephalomyelitis by antibodies against α4ß1 integrin, *Letter to Nature*, (Yednock, E A, Cannon, C, Fritz, L C, Sanchez-Madrid, F, Steinman, L, Karin, N) **356,** 63
Intellectual property. Intellectual property: Can China keep its end up?, *News*, **356,** 7
Intellectual property: US and India in row, *News*, (Anderson, C) **356,** 7
NIH patent rights, *Correspondence*, (Pederson, T) **358,** 617
OST rows with tide in report on intellectual property, *News*, (Mundell, I) **359,** 264
Intelligence. Terman's kids: The groundbreaking study of how the gifted grow up, *Book review by* Bryant, P E. **358,** 634
Differences in brain size, *Correspondence*, (Becker, B A, Knight, B, Ankney, C D, Rushton, J P) **358,** 531
Intelligence and development: A cognitive theory, *Book review by* Deary, I J. **359,** 28
The brain size/IQ debate, *Correspondence*, (Rushton, J P, Ankney, C D) **360,** 292
Intelligent manufacturing systems. Automated factories ahead, *News*, (Swinbanks, D) **357,** 100
Intelligent manufacturing: 'Big three' test the waters, *News*, (Aldhous, P, Swinbanks, D) **355,** 755
Intelligent materials. Polymers: Synthetic gels on the move, *News and views*, (Kajiwara, K, Ross-Murphy, S B) **355,** 208
A polymer gel with electrically driven motility, *Letter to Nature*, (Osada, Y, Okuzaki, H, Hori, H) **355,** 242
Intercalation compounds. Intercalation of solid C_{60} with iodine, *Letter to Nature*, (Zhu, Q, Cox, D E, Fischer, J E, Kniaz, K, McGhie, A R, Zhou, O) **355,** 712
Intercellular adhesion molecules. Molecular cloning of ICAM-3, a third ligand for LFA-1, constitutively expressed on resting leukocytes, *Letter to Nature*, (Fawcett, J, Holness, C L L, Needham, L A, Turley, H, Gatter, K C, Mason, D Y, Simmons, D L) **360,** 481
Cloning and characterization of a new intercellular adhesion molecule ICAM-R, *Letter to Nature*, (Vazeux, R, Hoffman, P A, Tomita, J K, Dickinson, E S, Jasman, R L, St John, T, Gallatin, W M) **360,** 485
Interferons. Racial tensions entangle NIH in dispute over AIDS drug, *News*, (Anderson, C) **359,** 660
Intergalactic medium. A photoionization instability in the early intergalactic medium, *Letter to Nature*, (Hogan, C J) **359,** 40
Astronomy: Phoenix galaxies, *News and views*, (Hernquist, L) **360,** 105
Interleukin-1. A novel heterodimeric cysteine protease is required for interleukin-1ß processing in monocytes, *Article*, (Thornberry, N A, Bull, H G, Calaycay, J R, Chapman, K T, Howard, A D, Kostura, M J, Miller, D K, Molineaux, S M, Weidner, J R, Aunins, J, Elliston, K O, Ayala, J M, Casano, F J, Chin, J, Ding, G J-F, Egger, L A, Gaffney, E P, Limjuco, G, Palyha, O C, Raju, S M, Rolando, A M, Salley, J P, Yamin, T-T, Lee, T D, Shively, J E, MacCross, M, Mumford, R A, Schmidt, J A, Tocci, M J) **356,** 768
Enzymology: Proteases: to each his own, *News and views*, (Ringe, D) **356,** 748
Interleukin-1ß. Structure of hisactophilin is similar to interleukin-1ß and fibroblast growth factor, *Letter to Nature*, (Habazettl, J, Gondol, D, Wiltscheck, R, Otlewski, J, Schleicher, M, Holak, T A) **359,** 885
Interleukin-2. FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature*, (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692
Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase, *Letter to Nature*, (Kuo, C J, Chung, J, Fiorentino, D F, Flanagan, W M, Blenis, J, Crabtree, G R) **358,** 70
Autoimmune diabetes as a consequence of locally produced interleukin-2, *Letter to Nature*, (Heath, W R, Allison, J, Hoffmann, M W, Schönrich, G, Hämmerling, G, Arnold, B, Miller, J F A P) **359,** 547
Drug policy: FDA panel backs interleukin-2, *News*, (Culliton, B J) **355,** 287
Interleukins. Cytokines: Poking holes in the network, *News and views*, (Paul, W E) **357,** 16
International collaboration. Collaboration: yes, but in which direction?, *News*, **360,** 510
International collaboration: Large Hadron Collider moves ahead, *News*, (Aldhous, P) **355,** 8
International collaboration: Japan leaning towards SSC, *News*, (Swinbanks, D) **355,** 8
Japan: Japan vacillates over SSC, *News*, (Swinbanks, D) **355,** 193
Human Frontiers in rough water, *Opinion*, **358,** 525
International meetings. Quality meetings, *Correspondence*, (Libertun, C) **355,** 196
Internet. Computer network rumours prove hard to kill, *News*, (Anderson, C) **357,** 528
Interplanetary medium. Dust from short-period comet P/Schwassmann-Wachmann 1 and replenishment of the interplanetary dust cloud, *Letter to Nature*, (Fulle, M) **359,** 42
Interstellar clouds. CH^+ in the Red Rectangle, *Scientific correspondence*, (Hall, D I, Miles, J R, Sarre, P J, Fossey, S J) **358,** 629
Interstellar diamonds. Interstellar diamonds: Rich pickings for astronomers, *News and views*, (Wright, I P) **360,** 20
Interstellar medium. The fullness of space: Nebulae, stardust, and the interstellar medium, *Book review by* Kaha, F D. **358,** 118
Is a pyrene-like molecular ion the cause of the 4,430-Å diffuse interstellar absorption band?, *Letter to Nature*, (Salama, F, Allamandola, L J) **358,** 42
Electron density fluctuations in the local interstellar bubble, *Letter to Nature*, (Phillips, J A, Clegg, A W) **360,** 137
Interstellar diamonds: Rich pickings for astronomers, *News and views*, (Wright, I P) **360,** 20
Intracellular transport. Retrograde transport of endocytosed Shiga toxin to the endoplasmic reticulum, *Letter to Nature*, (Sandvig, K, Garred, O, Prydz, K, Kozlov, J V, Hansen, S H, van Deurs, B) **358,** 510
SEC21 is a gene required for ER to Golgi protein transport that encodes a subunit of a yeast coatomer, *Letter to Nature*, (Hosobuchi, M, Kreis, T, Schekman, R) **360,** 603
Introns. Self-splicing introns in tRNA genes of widely divergent bacteria, *Letter to Nature*, (Reinhold-Hurek, B, Shub, D A) **357,** 173
Correlations in intronless DNA, *Scientific correspondence*, (Prabhu, V V, Claverie, J M) **359,** 782
Invasin, *Yersinia.* Parasitology: Skirmishes on the border, *News and views*, (Donelson, J E, Fulton, A B) **356,** 480
Invertebrate zoology. Deep-sea amphipod swarms, *Scientific correspondence*, (Van Dover, C L, Kaartvedt, S, Bollens, S M, Wiebe, P H, Martin, J W, France, S C) **358,** 25
Ion channels. Regions involved in the opening of ClC-2 chloride channel by voltage and cell volume, *Letter to Nature*, (Gründer, S, Thiemann, A, Pusch, M, Jentsch, TJ) **360,** 759
The glial cell glutamate uptake carrier countertransports pH-changing anions, *Letter to Nature*, (Bouvier, M, Szatkowski, M, Amato, A, Attwell, D) **360,** 471
New mammalian chloride channel identified by expression cloning, *Letter to Nature*, (Paulmichl, M, Li, Y, Wickman, K, Ackerman, M, Peralta, E, Clapham, D) **356,** 238
Calcium channel characteristics conferred on the sodium channel by single mutations, *Letter to Nature*, (Heinemann, S H, Terlau, H, Stühmer, W, Imoto, K, Numa, S) **356,** 441
Calcium-dependent immediate feedback control of inositol 1,4,5-trisphosphate-induced Ca^{2+} release, *Letter to Nature*, (Iino, M, Endo, M) **360,** 76
Control of CFTR chloride conductance by ATP levels through non-hydrolytic binding, *Letter to Nature*, (Quinton, P M, Reddy, M M) **360,** 79
The protein kinase A-regulated cardiac Cl- channel resembles the cystic fibrosis transmembrane conductance regulator, Letter to Nature, (Nagel, G, Hwang, T-C, Nastiuk, K L, Nairn, A C, Gadsby, D C) 360, 81
Cell-free expression of functional *Shaker* potassium channels, *Letter to Nature*, (Rosenberg, R L, East, J E) **360,** 166
Cystic fibrosis: ATP and chloride conductance, *News and views*, (Wine, J J, Silverstein, S C) **360,** 18
Mutations in the channel domain of a neuronal nicotinic receptor convert ion selectivity from cationic to anionic, *Article*, (Galzi, J-L, Devillers-Thiéry, A, Hussy, N, Bertrand, S, Changeux, J-P, Bertrand, D) **359,** 500
Ion mobility. Cation microsegregation and ionic mobility in mixed alkali glasses, *Letter to Nature*, (Vessal, B, Greaves, G N, Marten, P T, Chadwick, A V, Mole, R, Houde-Walter, S) **356,** 504
Network-modifying ions in glass, *Scientific correspondence*, (Elliott, S R) **357,** 650
Ion pumps. Electrogenic ion pumps, *Book review by* Stevens, C F. **356,** 487
Ion transport. Electrogenic ion pumps, *Book review by* Stevens, C F. **356,** 487
Ionospheric physics. EISCAT's place out of the Sun, *News*, **360,** 522
Ionospheric science. The solar-terrestrial environment, *Book review by* Saunders, M. **360,** 428
IQ. How to publish the unpalatable?, *News and views*, (Maddox, J) **358,** 187
The brain size/IQ debate, *Correspondence*, (Rushton, J P, Ankney, C D) **360,** 292
Dietary supplements: 'IQ pills' land in trouble, *News*, (Aldhous, P) **355,** 285
IQ and diet, *Correspondence*, (Benton, D) **355,** 667
IRAS galaxies. Cosmology: Feeding the beast, *News and views*, (Sanders, D) **356,** 284
Iridium. Post-depositional mobility of platinum, iridium and rhenium in marine sediments, *Letter to Nature*, (Colodner, D C, Boyle, E A, Edmond, J M, Thomson, J) **358,** 402
Iron cycle. Link between iron and sulphur cycles suggested by detection of Fe(II) in remote marine aerosols, *Letter to Nature*, (Zhuang, G, Yi, Z, Duce, R A, Brown, P R) **355,** 537
Irrationality. On the wild side, *Book review by* Gratzer, W. **358,** 380
Isoniazid resistance. The catalase-peroxidase gene and isoniazid resistance of *Mycobacterium tuberculosis*, *Letter to Nature*, (Zhang, Y, Heym, B, Allen, B, Young, D, Cole, S) **358,** 591
Isoprenoids. Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases, *Letter to Nature*, (Inglese, J, Koch, W J, Caron, M G, Lefkowitz, R J) **359,** 147
Isotope effect, superconductivity. Isotope effect on superconductivity in RbC_{60}, *Letter to Nature*, (Ebbesen, T W, Tsai, J S, Tanigaki, K, Tabuchi, J, Shimakawa, Y, Kubo, Y, Hirosawa, I, Mizuki, J) **355,** 620
Isotope geochemistry. Evidence from coupled ^{147}Sm-^{143}Nd and ^{146}Sm-^{142}Nd systematics for very early (4.5-Gyr) differentiation of the Earth's mantle, *Letter to Nature*, (Harper, C L Jr, Jacobsen, S B) **360,** 730
Israel-China, diplomatic relations. Israel: Science cements Chinese ties, *News*, (Rabinovich, A) **356,** 183
Italy, academic appointments. Academic promotion in Italy, *Correspondence*, (Amadori, S, Bernasconi, C, Boccadoro, M, Giustolisi, R, Gobbi, M) **355,** 581
Italy, astronomy. Italian science, *Correspondence*, (Pacini, F, Boella, G, Bussoletti, E, Dobrowolny, M, Vetrella, S) **359,** 10
Italy, biotechnology. Biotech companies rescue Italian vaccine institute, *News*, (Abbott, A) **357,** 6
Vaccine errors, *Correspondence*, (Gilsdorf, J R, Marrs, C F) **359,** 99
Italy, professors. Promotion in Italy, *Correspondence*, (Aiuti, F) **356,** 556
Italy, research. Interest in CNR, *Correspondence*, (Lund, G) **357,** 355
Power and money, *Correspondence*, (Fraccaro, M) **356,** 10
Italian peer review under pressure, *News*, (Abbott, A) **358,** 9
Electoral ploy?, *Correspondence*, (Amati, P) **358,** 706
Academic standards in Italy, *Correspondence*, (Persico, F) **358,** 364
New biology institute in Milan prizes quality above loyalty in effort to become world-class, *News*, (Abbott, A) **360,** 7
Italy, space programme. Italian space science: Political feud blocks funds, *News*, (Abbott, A) **356,** 647
Italy, space research. Italian space scientists win round in funding, *News*, (Abbott, A) **357,** 351
Italy, universities. Italian promotions defended . . ., *Correspondence*, (Baccarani, M, Castoldi, G, Papa, G, Perona, G, Tura, S) **356,** 188
. . . and attacked, *Correspondence*, (Aiuti, F, Baroni, C, Cao, A, Fantoni, A) **356,** 188
Italian university structure, *Correspondence*, (Burr, D) **357,** 273
. . . and attacked, *Correspondence*, (Visconti, G) **356,** 188
Academic standards in Italy, *Correspondence*, (Persico, F) **358,** 364
Japan, artificial environments. Artificial environment: Japan builds mini earth, *News*, (Swinbanks, D) **355,** 287
Japan, atomic research. Japan fusion: A steady course towards the next tokamak, *News*, (Swinbanks, D) **356,** 468
Japan, biotechnology. TPA ruling shakes up biotech industry, *News*, (Swinbanks, D) **356,** 93
Japan, climate research. Climate satellites: Another hole in ozone data?, *News*, (Swinbanks, D, Anderson, C) **356,** 99
Japan, cold fusion. MITI prepares to fund cold fusion by another name, *News*, (Swinbanks, D) **358,** 268
Japan, computers. Talking about a new generation, *News*, (Swinbanks, D) **356,** 274
Computer networks: Japanese debate more or better links, *News*, (Swinbanks, D) **356,** 550
Fifth generation project lives on, *News*, (Swinbanks, D) **357,** 619
Japan, earthquake prediction. Japanese report shows cracks in predicting earthquakes, *News*, (Swinbanks, D) **358,** 361

Japan, earthquakes. Earthquake prediction: Trying to shake Japan's faith in forecasts, *News*, (Swinbanks, D) **356,** 464
Seismology: Tokyo quake, *News*, (Swinbanks, D) **355,** 489
Japan, entomology. Japanese moth collection lands in London, *News*, (Mundell, I) **359,** 468
Japan, foreign scientists. Problems for foreigners in Japan, *Correspondence*, (Hedenquist, J W) **358,** 366
Japan, genetic research. Japane' ' science: Frontiers win, *News*, (Swinbanks, D) **355,** 379
Japan, genome projects. Japanese researchers rule out gene patents, *News*, (Swinbanks, D) **356,** 181
MITI makes its move, cautiously, *News*, (Swinbanks, D) **356,** 181
Genome project: Betting on rice, *News*, (Swinbanks, D) **356,** 181
Japan, high-energy physics. Japanese physicists say SSC will hurt domestic research, *News*, (Swinbanks, D) **358,** 266
B-factory tops Japanese wish list, *News*, (Swinbanks, D) **358,** 266
Japan, Human Frontier Science Program. Human Frontiers looks for leader in Europe: US wavers, *News*, (Swinbanks, D, Abbott, A) **359,** 567
Japan, joint research. Japan wants global guidelines for joint research projects, *News*, (Swinbanks, D, Mervis, J, Abbott, A) **360,** 5
Japan's MITI opens domestic R&D projects to foreign participation, *News*, (Swinbanks, D) **360,** 500
Very small plans, *News*, (Swinbanks, D) **360,** 500
Japan, medical research. Search for contaminant in EMS outbreak goes slowly, *News*, (Swinbanks, D, Anderson, C) **358,** 96
Japan, National Institute of Health. Japanese open infectious disease lab despite local and national protests, *News*, (Swinbanks, D) **358,** 703
Japan, nuclear power. Japan modifies plans for plutonium in wake of protests over shipments, *News*, (Swinbanks, D) **359,** 663
How to handle hot plutonium, *News*, (Swinbanks, D) **359,** 663
Why not plutonium?, *Opinion*, **358,** 356
Japan plans furnace reactor to consume Soviet plutonium, *News*, (Swinbanks, D) **358,** 362
Japan committed to plutonium at all costs, *News*, (Swinbanks, D) **359,** 766
How secure?, *Correspondence*, (Baker, R) **359,** 100
Japanese face stiff barriers in recycling of nuclear fuel, *News*, (Swinbanks, D) **359,** 766
Japan, particle physics. CERN officials visit Tokyo, hat in hand, in search of funds for their next big collider, *News*, (Swinbanks, D) **357,** 429
Japan, pollution. Kuwaiti soot over Japan, *Scientific correspondence*, (Okada, K, Ikegami, M, Uchino, O, Nikaidou, Y, Zaizen, Y, Tsutsumi, Y, Makino, Y) **355,** 120
Japan, research and development. Japanese success, *Correspondence*, (Vanterpool, A) **356,** 374
Japan, research budget. Japan prepares spending increase, *News*, (Swinbanks, D) **358,** 359
Japan, research funding. Japanese companies trim spending on research, *News*, (Swinbanks, D) **356,** 93
Japanese philanthropy: New science institute, *News*, (Swinbanks, D) **356,** 647
Without a way to measure their success, Japanese projects are very hard to stop, *News*, (Swinbanks, D) **357,** 619
Fifth generation project lives on, *News*, (Swinbanks, D) **357,** 619
Japan 'loses' new funds for research infrastructure, *News*, (Swinbanks, D) **358,** 530
Japan endorses local touch, *News*, (Swinbanks, D) **359,** 354
Japan, research grants. Physical sciences dominate Japan's special grant awards, *News*, (Swinbanks, D) **358,** 446
Japan, research institutes. Semiprivate research: best of both worlds, *News*, **359,** 577
RIKEN - Japan's leading light, *News*, **359,** 578
Japan, research. Japanese industrial research, *News and views*, (Maddox, J) **355,** 493
Japan, satellites. Japanese satellite: Earth monitor fails, *News*, (Swinbanks, D) **355,** 661
Japan, science budget. Japan 'finds' money for research, *News*, (Swinbanks, D) **357,** 616
Japan, science. Uninnovative Japan, *Correspondence*, (Lawson, M) **356,** 652
Reforming Japan's science for the next century, *News*, (Maddox, J, Swinbanks, D) **359,** 573
Handicaps to British 'innovation', *Commentary*, (Kennaway, A) **355,** 198
Japan, space research. Solving a fishy problem, *News*, (Swinbanks, D) **356,** 99
Japan, Superconducting Super Collider. SSC says it holds the edge, *News*, (Mervis, J) **357,** 429
Japan, telecommunications. NTT to unhook mobile phones, *News*, (Swinbanks, D) **357,** 529
Japan, trade. Bashing Japan/Bashing America, *Opinion*, **355,** 187
Japan, universities. Japanese increase spending on universities, *News*, (Swinbanks, D) **360,** 8
Japanese science: Universities win, *News*, (Swinbanks, D) **355,** 99
Japan, volcanoes. Vulcanologists seek to understand processes, *News*, (Swinbanks, D) **356,** 464
Japan-US collaboration. Japan stubs its toes on fifth-generation computer, *News*, (Swinbanks, D, Anderson, C) **356,** 273
SSC says it holds the edge, *News*, (Mervis, J) **357,** 429
Contradictory US trade policy opens supercomputer market to Japanese, *News*, (Anderson, C) **358,** 265
Cray claims foul play in Japan, *News*, (Swinbanks, D) **358,** 265
Collaboration vetoed, *News*, (Anderson, C) **356,** 273
Japanese scientists begin closed debate on size of contribution to SSC, *News*, (Swinbanks, D) **359,** 177
Japanese science: Frontiers win, *News*, (Swinbanks, D) **355,** 379
International collaboration: Japan leaning towards SSC, *News*, (Swinbanks, D) **355,** 8
Japan: Japan vacillates over SSC, *News*, (Swinbanks, D) **355,** 193
Jeantet prize. Research prize: Three share Jeantet award in medicine, *News*, (Aldhous, P) **355,** 287
Jets, astrophysical. Black hole is M87's bright spot, *News and views*, (Pease, R) **355,** 399
Joint European Torus. British JET staff to strike over pay an' prospects, *News*, (Mundell, I) **357,** 270
Answers, but no solutions, for dispute at JET, *News*, (Mundell, I) **359,** 352
Josephson junctions. High-temperature superconductivity: Natural Josephson junctions, *News and views*, (Pegrum, C) **358,** 193
Journalism, scientific. Journalists in labs, *Correspondence*, (Waksman, B H) **358,** 102
Journals, electronic. Electronic journals have a future, *News and views*, (Maddox, J) **356,** 559
Making networks work, *Journal review*, (Barden, P) **359,** 435
Journals, radiation. In defence of radioactive journals, *Scientific correspondence*, (Mims, F M III) **359,** 784
Journals, scientific misconduct. Journals as policemen, *Opinion*, **357,** 2
Bill would force journals to follow misconduct rules, *News*, (Anderson, C) **357,** 7
Journals. You've read the paper, now see the video, *News*, (Lindley, D) **358,** 97
Juan Fernandez microplate. Roller-bearing tectonic evolution of the Juan Fernandez microplate, *Article*, (Larson, R L, Searle, R C, Kleinrock, M C, Schouten, H, Bird, R T, Naar, D F, Rusby, R I, Hooft, E E, Lasthiotakis, H) **356,** 571
Jun protein. Nuclear factor of activated T cells contains Fos and Jun, *Letter to Nature*, (Jain, J, McCaffrey, P G, Valge-Archer, V E, Rao, A) **356,** 801
Jupiter. Shake-up planned for Galileo as it steals quietly past Earth and on to Jupiter, *News*, (Reichhardt, T) **360,** 501
Kaapvaal craton. Formation of an Archaean continent, *Review article*, (de Wit, M J, Roering, C, Hart, R J, Armstrong, R A, de Ronde, C E J, Green, R W E, Tredoux, M, Peberdy, E, Hart, R A) **357,** 553
Kac, Mark. Energy levels by path integration, *News and views*, (Maddox, J) **358,** 707
Mark Kac, *Correspondence*, (Cox, N J) **359,** 356
Kemron. AIDS therapies: Kemron's secret: it doesn't work, *News*, (Anderson, C) **356,** 648
Racial tensions entangle NIH in dispute over AIDS drug, *News*, (Anderson, C) **359,** 660
Kenya, wildlife management. Genetic resources: Fighting the rules of the game, *News*, (Stevens, J) **355,** 489
Keratins. A mutation in the conserved helix termination peptide of keratin 5 in hereditary skin blistering, *Letter to Nature*, (Lane, E B, Rugg, E L, Navsaria, H, Leigh, I M, Heagerty, A H M, Ishida-Yamamoto, A, Eady, R A J) **356,** 244
Kidney disease. Bush spins tall tale of technology transfer, *News*, (Mervis, J) **358,** 530
Natural inhibitor of transforming growth factor-ß protects against scarring in experimental kidney disease *Letter to Nature*, (Border, W A, Noble, N A, Yamamoto, T, Harper, J R, Yamaguchi, Y, Pierschbacher, M D, Ruoslahti, E) **360,** 361
Kin recognition. Communal nesting patterns in mice implicate MHC genes in kin recognition, *Letter to Nature*, (Manning, C J, Wakeland, E K, Potts, W K) **360,** 581
Behavioural ecology: Of mice and the MHC, *News and views*, (Grafen, A) **360,** 530
Kin selection. Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206
Kinesin. Suppression of a myosin defect by a kinesin-related gene, *Letter to Nature*, (Lillie, S H, Brown, S S) **356,** 358
Kinesin-related cut7 protein associates with mitotic and meiotic spindles in fission yeast, *Letter to Nature*, (Hagan, I, Yanagida, M) **356,** 74
King Faisal International Prize. Faisal prize: Two honoured, *News*, (Aldhous, P) **355,** 755
Kiwi egg. Kiwi's egg, *Scientific correspondence*, (Morgan, E) **355,** 401
Kiwi's egg size and moa, *Scientific correspondence*, (Potter, M, McLennan, J) **358,** 548
Kiwis. Relative differences, *News and views*, **359,** 363
Klein, George. Pietà, *Book review by* Mitchison, N A, **360,** 388
Korea, science and technology. Korea invites West to help it narrow the gap in technology, *News*, (Swinbanks, D) **357,** 100
Korea, science policy. Korea begins funding projects to catch up with rest of world, *News*, (Swinbanks, D) **358,** 613
G-7 is wake-up call for KIST, *News*, (Swinbanks, D) **358,** 613
Krebs, Edwin. Nobel Prize given for work on protein phosphorylation, *News*, (Anderson, C) **359,** 570
Kuiper belt. A long shot at the Kuiper belt, *News and views*, (Pease, R) **359,** 673
Kuwait, oil wells. Oil and combustion-product contamination of the Gulf marine environment following the war, *Letter to Nature*, (Readman, J W, Fowler, S W, Villeneuve, J-P, Cattini, C, Oregioni, B, Mee, L D) **358,** 662
Kuwaiti soot over Japan, *Scientific correspondence*, (Okada, K, Ikegami, M, Uchino, O, Nikaidou, Y, Zaizen, Y, Tsutsumi, Y, Makino, Y) **355,** 120
Laboratory accidents. Lab death blamed on gas build-up, *News*, (Lindley, D) **357,** 620
Cold fusion: Explosion kills one, *News*, (Anderson, C) **355,** 102
Labour, oxytocin receptor. Structure and expression of a human oxytocin receptor, *Letter to Nature*, (Kimura, T, Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) **356,** 526
ß-Lactamases. Molecular structure of the acyl-enzyme intermediate in ß-lactam hydrolysis at 1.7Å resolution, *Article*, (Strynadka, N C J, Adachi, H, Jensen, S E, Johns, K, Sielecki, A, Betzel, C, Sutoh, K, James, M N G) **359,** 700
Drug ring bust, *News and views*, (Riddihough, G) **359,** 674
Lake Nyos. Degassing Lake Nyos, *Scientific correspondence*, (Fletcher, H) **355,** 683
Lakes, acidification. Climate-driven pH control of remote alpine lakes and effects of acid deposition, *Letter to Nature*, (Psenner, R, Schmidt, R) **356,** 781
Lakes, chemistry. Predicted response of stream chemistry to acid loading tested in Canadian catchments, *Letter to Nature*, (Kirchner, J W, Dillon, P J, LaZerte, B D) **358,** 478
Landsat. Congress prepares compromise plan to save Landsat, lower costs and improve service, *News*, (Anderson, C) **359,** 353
Langmuir monolayers. Young's modulus of a solid two-dimensional Langmuir monolayer, *Letter to Nature*, (Bercegol, H, Meunier, J) **356,** 226
Langmuir-Blodgett films. Domain boundaries and buckling superstructures in Langmuir-Blodgett films, *Letter to Nature*, (Garnaes, J, Schwartz, D K, Viswanathan, R, Zasadzinski, J A N) **357,** 54
Improved second-harmonic generation from Langmuir-Blodgett films of hemicyanine dyes, *Letter to Nature*, (Ashwell, G J, Hargreaves, R C, Baldwin, C E, Bahra, G S, Brown, C R) **357,** 393
Friction measurements on phase-separated thin films with a modified atomic force microscope, *Letter to Nature*, (Overney, R M, Meyer, E, Frommer, J, Brodbeck, D, Lüthi, R, Howald, L, Güntherodt, H-J, Fujihira, M, Takano, H, Gotoh, Y) **359,** 133
Language, cognitive neuropsychology. Neural subsystems for object knowledge, *Letter to Nature*, (Hart Jr, J, Gordon, B) **359,** 60
Language, hominids. Language gap, *Scientific correspondence*, (Davidson, I, Noble, W, Davidson, I, Noble, W) **355,** 403
Language gap: Reply, *Scientific correspondence*, (Foley, R) **355,** 404
Language, Maya. Breaking the Maya Code, *Book review by* Saunders, N J, **360,** 26
Language. Analytical language, *Correspondence*, (Fry, R M) **356,** 651
Language for a polyglot readership, *News and views*, (Maddox, J) **359,** 475
Large Electron-Positron collider. CERN told to pay $70 million to engineering consortium, *News*, (Aldhous, P) **355,** 285
Large Hadron Collider. International collaboration: Large Hadron Collider moves ahead, *News*, (Aldhous, P) **355,** 8
Laser cooling. Multiple-shell structures of laser-cooled $^{24}Mg^{+}$ ions in a quadrupole storage ring, *Letter to Nature*, (Birkl, G, Kassner, S, Walther, H) **357,** 310
Atomic physics: Clarity in ion traps, *News and views*, (Segal, D, Thompson, R) **357,** 280
Quantum optics: Crystals with a light touch, *News and views*, (Steane, A, Foot, C) **358,** 715
Laser excitation. Towards real-time molecular demolition?, *News and views*, (Maddox, J) **360,** 103
Lasers. Laser physics: *Ultrason et lumière*, *News and views*, (Evans, R G) **355,** 769
Femtosecond laser control of a chemical reaction, *Letter to Nature*, (Potter, E D, Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) **355,** 66
Who needs a new magnetometer?, *News and views*, (Maddox, J) **359,** 191
Making light work with optical tweezers, *Product review*, (Block, S M) **360,** 493
Lattice packing. Geometry: Another harmony of the spheres, *News and views*, (Max, N) **355,** 115
Law of mass action. Law of mass action, *Correspondence*, (Segel, L, Tyson, J J) **357,** 106
Law, US. Courts reject DNA fingerprinting, citing controversy after NAS report, *News*, (Anderson, C) **359,** 349
Lck protein. Profound block in thymocyte development in mice lacking $p56^{lck}$, *Letter to Nature*, (Molina, T J, Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) **357,** 161
Learning. Neural networks: Learning from your neighbour, *News and views*, (Mitchison, G, Durbin, R) **355,** 112
Self-organizing neural network that discovers surfaces in random-dot stereograms, *Letter to Nature*, (Becker, S, Hinton, G E) **355,** 161

Perceptual and associative learning. *Book review by* Sutherland, S. **356,** 118
Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine. *Letter to Nature,* (Thompson, L T, Moskal, J R, Disterhoft, J F) **359,** 638
Errata: Addition and subtraction by human infants. *Letter to Nature,* (Wynn, K) **360,** 768
Postsynaptic contribution to long-term potentiation revealed by the analysis of miniature synaptic currents. *Article,* (Manabe, T, Renner, P, Nicoll, R A) **355,** 50
Long-term potentiation: Miniatures get bigger. *News and views,* (Edwards, F A) **355,** 21

Lectins. Structure of a C-type mannose-binding protein complexed with an oligosaccharide. *Article,* (Weis, W I, Drickamer, K, Hendrickson, W A) **360,** 127
Engineering galactose-binding activity into a C-type mannose-binding protein. *Letter to Nature,* (Drickamer, K) **360,** 183
Ice-crystal growth and lectins. *Scientific correspondence,* (Rubinsky, B, Coger, R, Ewart, K V, Fletcher, G L) **360,** 113

Left-handedness. Mirror-script and left-handedness. *Scientific correspondence,* (Smetacek, V) **355,** 118
The left-hander syndrome: The causes and consequences of left-handedness. *Book review by* Corballis, M C. **356,** 637
Right thinking. *Scientific correspondence,* (Sanders, D) **356,** 483
Mirror script. *Scientific correspondence,* (Skoyles, J R) **357,** 25

Legislation, US. Fetal tissue: US senate votes to overturn research ban. *News,* (Anderson, C) **356,** 467
Groups sue to end fetal tissue ban. *News,* (Anderson, C) **359,** 761

Legumes. More on legumes. *Correspondence,* (Bhat, R V, Raghuram, T C) **360,** 505

Leks. Olfactory cues influence female choice in two lek-breeding antelopes. *Letter to Nature,* (Deutsch, J C, Nefdt, R J C) **356,** 596

Lenses, neutron. A neutron lens. *Letter to Nature,* (Kumakhov, M A, Sharov, V A) **357,** 390
Guiding and focusing neutron beams using capillary optics. *Letter to Nature,* (Chen, H, Downing, R G, Mildner, D F R, Gibson, W M, Kumakhov, M A, Ponomarev, I Y, Gubarev, M V) **357,** 391

Leprosy vaccine. Leprosy vaccine: India questions Venezuelan data. *News,* (Jayaraman, K S) **356,** 373
Leprosy vaccine. *Correspondence,* (Crawford, C L) **359,** 100
Efficacy of leprosy vaccine. *Correspondence,* (Fine, P E M, Smith, P G) **360,** 406

Leukaemia inhibitory factor. Blastocyst implantation depends on maternal expression of leukaemia inhibitory factor. *Letter to Nature,* (Stewart, C L, Kaspar, P, Brunet, L J, Bhatt, H, Gadi, I, Köntgen, F, Abbondanzo, S J) **359,** 76
Cytokines: Can there be life without LIF?. *News and views,* (Heath, J K) **359,** 17

Leukaemia, epidemiology. Epidemiology: Leukaemia linked to radiation. *News,* (Aldhous, P) **355,** 381

Leukaemia, *Drosophila* gene homology. Leukaemia/*Drosophila* homology. *Scientific correspondence,* (Daga, A, Tighe, J E, Calabi, F) **356,** 484

Leukaemia. Alpha-particles and leukaemia. *Scientific correspondence,* (Mole, R H, Baverstock, K F, Sankaranarayanan, K) **357,** 369
Alpha-particles and leukaemia - Reply. *Scientific correspondence,* (Wright, E) **357,** 369
Cancer genetics: Imprinting in leukaemia. *News and views,* (Reik, W) **359,** 362
Parental origin of chromosomes involved in the translocation t(9;22). *Letter to Nature,* (Haas, O A, Argyriou-Tirita, A, Lion, T) **359,** 414

Leukocyte function-associated antigens. Molecular cloning of ICAM-3, a third ligand for LFA-1, constitutively expressed on resting leukocytes. *Letter to Nature,* (Fawcett, J, Holness, C L L, Needham, L A, Turley, H, Gatter, K C, Mason, D Y, Simmons, D L) **360,** 481

Leukocytes. Leukocyte accumulation promoting fibrin deposition is mediated in vivo by P-selectin on adherent platelets. *Letter to Nature,* (Palabrica, T, Lobb, R, Furie, B C, Aronovitz, M, Benjamin, C, Hsu, Y-M, Sajer, S A, Furie, B) **359,** 848

Lexical processing. The growing inaccessibility of science. *Commentary,* (Hayes, D P) **356,** 739
Of animals and men. *Correspondence,* (Jones, D) **357,** 187

Libraries. Newton statue under fire. *News,* (Mundell, I) **359,** 178
University wants to buy journals directly. *News,* (Mundell, I) **359,** 179

Life science research. Perkin-Elmer to buy Applied Biosystems to broaden markets. *News,* (Gershon, D) **359,** 570

Life, origin of. Molecular replication. *Review article,* (Orgel, L E) **358,** 203

Life-history evolution. The evolution of life histories. *Book review by* Gwynne, D T. **359,** 27

Ligand-binding activity, identification of. A new type of synthetic peptide library for identifying ligand-binding activity: Correction. *Letter to Nature,* (Lam, K S, Salmon, S E, Hersh, E M, Hruby, V J, Kazmierski, W M, Knapp, R J) **358,** 434

Light scattering. Crumpled and collapsed conformations in graphite oxide membranes. *Letter to Nature,* (Wen, X, Garland, C W, Hwa, T, Kardar, M, Kokufuta, E, Li, Y, Orkisz, M, Tanaka, T) **355,** 426

Light-emitting diodes. Flexible light-emitting diodes made from soluble conducting polymers. *Letter to Nature,* (Gustafsson, G, Cao, Y, Treacy, G M, Klavetter, F, Colaneri, N, Heeger, A J) **357,** 477

Limb development. Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment. *Letter to Nature,* (Mohanty-Hejmadi, P, Dutta, S K, Mahapatra, P) **355,** 352

Limnology. Degassing Lake Nyos. *Scientific correspondence,* (Fletcher, H) **355,** 683

Limulus. India goes to sea for research funds. *News,* (Jayaraman, K S) **357,** 183

Lipase. Structure of the pancreatic lipase-procolipase complex. *Letter to Nature,* (van Tilbeurgh, H, Sarda, L, Verger, R, Cambillau, C) **359,** 159
Lifting the lid on enzymatic breakdown of lipids. *News and views,* (Riddihough, G) **359,** 107

Lipid metabolism. Convergence of 9-*cis* retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors. *Letter to Nature,* (Kliewer, S A, Umesono, K, Noonan, D J, Heyman, R A, Evans, R M) **358,** 771

Lipids. Lifting the lid on enzymatic breakdown of lipids. *News and views,* (Riddihough, G) **359,** 107

Liquid crystals. Ferroelectric liquid crystals from achiral molecules. *Letter to Nature,* (Tournilhac, F, Blinov, L M, Simon, J, Yablonsky, S V) **359,** 621
Liquid-hexatic phase transitions in single molecular layers of liquid-crystal films. *Letter to Nature,* (Geer, R, Stoebe, T, Huang, C C, Pindak, R, Goodby, J W, Cheng, M, Ho, J T, Hui, S W) **355,** 152

Liquid-phase physics. Weeping wine. *News and views,* **360,** 536
Phase behaviour of metastable water. *Letter to Nature,* (Poole, P H, Sciortino, F, Essmann, U, Stanley, H E) **360,** 324
Liquid physics: Still waters run still deeper. *News and views,* (Sorensen, C M) **360,** 303

Lithium, galactic. High lithium abundance in the secondary of the black-hole binary system V404 Cygni. *Letter to Nature,* (Martin, E L, Rebolo, R, Casares, J, Charles, P A) **358,** 129

Lithium, X-ray sources. Li in V404 Cygni. *Scientific correspondence,* (Wallerstein, G) **356,** 569

Lithium. Astrophysical ^{7}Li as a product of Big Bang nucleosynthesis and galactic cosmic-ray spallation. *Letter to Nature,* (Olive, K A, Schramm, D N) **360,** 439

Lithosphere, deformation. Earth sciences: Does the mid-crust flow?. *News and views,* (Thatcher, W) **358,** 454

Lithosphere, oceanic. A model for the global variation in oceanic depth and heat flow with lithospheric age. *Article,* (Stein, C A, Stein, S) **359,** 123
Flattening of the sea-floor depth-age curve as a response to asthenospheric flow. *Letter to Nature,* (Morgan, J P, Smith, W H F) **359,** 524
Lead isotope evidence for young trace element enrichment in the oceanic upper mantle. *Letter to Nature,* (Halliday, A N, Davies, G R, Lee, D-C, Tommasini, S, Paslick, C R, Fitton, J G, James, D E) **359,** 623

Lithosphere, stress. Post-rifting stress relaxation at the divergent plate boundary in Northeast Iceland. *Letter to Nature,* (Foulger, G R, Jahn, C-H, Seeber, G, Einarsson, P, Julian, B R, Heki, K) **358,** 488

Lithosphere, water. Flood basalts: Melting of wet lithosphere. *News and views,* (Carlson, R W) **358,** 20
Dehydration melting and the generation of continental flood basalts. *Letter to Nature,* (Gallagher, K, Hawkesworth, C) **358,** 57

Lithosphere. Proterozoic depletion of the lithosphere recorded in mantle xenoliths from Inner Mongolia. *Letter to Nature,* (Deng, F-L, Macdougall, J D) **360,** 333
A mantle metasomatic injection event linked to late Cretaceous kimberlite magmatism. *Letter to Nature,* (Kinny, P D, Dawson, J B) **360,** 726

Lithuania. Lithuania's need. *Correspondence,* (Lozoraitis, S) **357,** 433

Liver cancer. Cancer: Carcinogens leave fingerprints. *News and views,* (Vogelstein, B, Kinzler, K W) **355,** 209

Liver diseases. The mechanism of Z α_1-antitrypsin accumulation in the liver. *Letter to Nature,* (Lomas, D A, Evans, D Ll, Finch, J T, Carrell, R W) **357,** 605
Protein transport: Z and the insoluble answer. *News and views,* (Sifers, R N) **357,** 541
Molecular mimicry in liver disease. *Scientific correspondence,* (Burroughs, A K, Butler, P, Sternberg, M J E, Baum, H) **358,** 377

Liver. Rat liver protein linking chemical and immunological detoxification systems. *Letter to Nature,* (Blocki, F A, Schlievert, P M, Wackett, L P) **360,** 269
A transcriptional hierarchy involved in mammalian cell-type specification. *Letter to Nature,* (Kuo, C J, Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) **355,** 457

Llewellyn-Smith, Christopher. British physicist to head CERN. *News,* (Mundell, I) **359,** 352

Locomotion, cell. Polar and lateral flagellar motors of marine *Vibrio* are driven by different ion-motive forces. *Letter to Nature,* (Atsumi, T, McCarter, L, Imae, Y) **355,** 182
Surface particle transport mechanism independent of myosin II in *Dictyostelium*. *Letter to Nature,* (Jay, P Y, Elson, E L) **356,** 438

Locomotion, insects. Locomotion by jumping in the Mediterranean fruit fly larva *Ceratitis capitata*. *Letter to Nature,* (Maitland, P) **355,** 159

London Zoo. Keeping zoos alive. *Opinion,* **358,** 94
London zoo crippled. *Correspondence,* (Cross, B) **358,** 102
London Zoo crippled by misjudgement. *Opinion,* **357,** 613
Research effort is preserved in plan to close London Zoo. *News,* (Mundell, I) **357,** 620
The zoo that has to close. *Commentary,* (Zuckerman, Lord) **357,** 621
London Zoo: Rebel fellows claim success. *News,* (Aldhous, P) **355,** 100
London Zoo: Jones's head rolls. *News,* (Aldhous, P) **355,** 488
A zoo with animals. *Opinion,* **355,** 188

Long-term potentiation. Glutamate-induced long-term potentiation of the frequency of miniature synaptic currents in cultured hippocampal neurons. *Article,* (Malgaroli, A, Tsien, R W) **357,** 134
Long-term potentiation is associated with increases in quantal content and quantal amplitude. *Letter to Nature,* (Kullmann, D M, Nicoll, R A) **357,** 240
Presynaptic release probability influences the locus of long-term potentiation. *Letter to Nature,* (Larkman, A, Hannay, T, Stratford, K, Jack, J) **360,** 70
Long-term potentiation: Knocking out memory's door. *News and views,* (Madison, D V) **358,** 626
Positive feedback of glutamate exocytosis by metabotropic presynaptic receptor stimulation. *Letter to Nature,* (Herrero, I, Miras-Portugal, M T, Sánchez-Prieto, J) **360,** 163
Postsynaptic contribution to long-term potentiation revealed by the analysis of miniature synaptic currents. *Article,* (Manabe, T, Renner, P, Nicoll, R A) **355,** 50
Long-term potentiation: Miniatures get bigger. *News and views,* (Edwards, F A) **355,** 21

Love, science of. The science of love: Understanding love and its effects on mind and body. *Book review by* Sutherland, S. **355,** 309

Low-mass stars. Low-mass stars in the spheroid of our Galaxy. *Article,* (Richer, H B, Fahlman, G G) **358,** 383

Low-temperature physics. Low-temperature physics: Superfluid gyroscope. *News and views,* (Hess, G B) **359,** 192
Low temperature physics: An introduction for scientists and engineers. *Book review by* Leggett, A J. **359,** 282
Low-temperature gains. *News,* **360,** 527

Lowe's oculocerebrorenal syndrome. The Lowe's oculocerebrorenal syndrome gene encodes a protein highly homologous to inositol polyphosphate-5-phosphatase. *Letter to Nature,* (Attree, O, Olivos, I M, Okabe, I, Bailey, L C, Nelson, D L, Lewis, R A, McInnes, R R, Nussbaum, R L) **358,** 239

Ludwig, Daniel. Ludwig estate to support research. *News,* (Watson, T) **359,** 470

Luminescence, meteor trails. Excitation mechanism of the mesospheric sodium nightglow. *Letter to Nature,* (Herschbach, D R, Kolb, C E, Worsnop, D R, Shi, X) **356,** 414

Lung disease. Air pollution and cancer risk. *Correspondence,* (Wolff, S P) **356,** 471
Air pollutants and lung cancer. *Correspondence,* (Goldsmith, J R) **358,** 706

Lungs. "Surface tension" in the lungs. *Scientific correspondence,* (Bangham, A D) **359,** 110

Lymphocytes. Bipotential precursors of B cells and macrophages in murine fetal liver. *Letter to Nature,* (Cumano, A, Paige, C J, Iscove, N N, Brady, G) **356,** 612

Lymphoproliferative diseases. Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins. *Letter to Nature,* (Nicholas, J, Cameron, K R, Honess, R W) **355,** 362

Lyophilization. Dystrophin mRNA in lyophilized tissue. *Scientific correspondence,* (Anderson, M S, Kunkel, L M, Khurana, T S) **355,** 778

Lysosomes. Targeting of cell-surface ß-amyloid precursor protein to lysosomes: alternative processing into amyloid-bearing fragments. *Letter to Nature,* (Haass, C, Koo, E H, Mellon, A, Hung, A Y, Selkoe, D J) **357,** 500

Lysozyme. The folding of hen lysozyme involves partially structured intermediates and multiple pathways. *Article,* (Radford, S E, Dobson, C M, Evans, P A) **358,** 302
Proteins: Folding in the egg white. *News and views,* (Pain, R H) **358,** 278

Maasai. Patch production by cattle. *Scientific correspondence,* (Homewood, K) **359,** 109

Maastricht Treaty. Better government for Europe?. *Opinion,* **357,** 347
What to do about European union. *Opinion,* **357,** 425
Putting a price on Maastricht. *Opinion,* **358,** 1

Macfarlane Burnet, Frank. The seeds of time: the life of Sir Macfarlane Burnet. *Book review by* Rott, I M. **355,** 779

Machines, molecular. Cellular biophysics: Proteins as machines. *News and views,* (Pollard, T D) **355,** 17

Macromolecular structure determination. Free *R* value: a novel statistical quantity for assessing the accuracy of crystal structures. *Letter to Nature,* (Brünger, A T) **355,** 472

Macromolecules. Macromolecular structures 1991/1992. *Book review by* Petsko, G A. **359,** 596

Magellan mission. Magellan team fights to extend mission. *News,* (Anderson, C) **357,** 9
Space science: Mute Magellan finds its voice. *Opinion,* (Anderson, C) **355,** 190

Magma chambers. Mid-ocean ridges: Slimline magma chambers. *News and views,* (Bloomer, S, Meyer, P) **357,** 117

Magma composition. Evidence for melt segregation towards fractures in the Horoman mantle peridotite complex, *Letter to Nature*, (Takahashi, N) **359,** 52
Geochemical evidence for melt migration and reaction in the upper mantle, *Letter to Nature*, (Takazawa, E, Frey, F A, Shimizu, N, Obata, M, Bodinier, J L) **359,** 55
Magma composition: A matter of give and take, *News and views*, (Carlson, R W) **359,** 16
A refractory HIMU component in the sources of island-arc magma, *Letter to Nature*, (Hickey-Vargas, R) **360,** 57
Magma ocean. Early Earth: Stalking the magma ocean, *News and views*, (Stevenson, D J) **355,** 301
Magmatism. A mantle metasomatic injection event linked to late Cretaceous kimberlite magmatism, *Letter to Nature*, (Kinny, P D, Dawson, J B) **360,** 726
Magnetic field, Earth. Possible connection between surface winds, solar activity and the Earth's magnetic field, *Letter to Nature*, (Anderson, R Y) **358,** 51
Magnetic fields, galactic. Magnetic fields as an alternative explanation for the rotation curves of spiral galaxies, *Letter to Nature*, (Battaner, E, Garrido, J L, Membrado, M, Florido, E) **360,** 652
Magnetic fields, Sun. Solar astronomy: Breaking out in spots, *News and views*, (Zirin, H) **359,** 271
Resolution of magnetic flux tubes on the Sun, *Letter to Nature*, (Keller, C U) **359,** 307
Magnetic flux lines, superconductivity. Are superconductors really superconducting?, *Review article*, (Huse, D A, Fisher, M P A, Fisher, D S) **358,** 553
Novel field-induced asymmetry in the remanent magnetization of the superconductor $YBa_2Cu_3O_{7-\delta}$, *Letter to Nature*, (Brawner, D A, Ong, N P, Wang, Z Z) **358,** 567
Magnetic monopoles. Poles together, *News and views*, **358,** 715
Magnetic resonance. Mechanical detection of magnetic resonance, *Letter to Nature*, (Rugar, D, Yannoni, C S, Sidles, J A) **360,** 563
Magnetic storms. Magnetic storms: Tweaking the magnetosphere, *News and views*, (Kurth, W S) **356,** 18
Magnetism. Future attractions, *News and views*, **359,** 590
Quantum mechanics: Magnets get their act together, *News and views*, (Stamp, P) **359,** 365
Clusters: Just a fraction of a moment, *News and views*, (Stace, T) **360,** 537
Magnetometers. Who needs a new magnetometer?, *News and views*, (Maddox, J) **359,** 191
Magnetoreceptors. Behavioural biology: Hunt for the magnetoreceptor, *News and views*, (Wehner, R) **359,** 105
Behavioural evidence for use of a light-dependent magnetoreception mechanism by a vertebrate, *Letter to Nature*, (Phillips, J B, Borland, S C) **359,** 142
Magnetospheric physics. Tweaking the magnetosphere, *Scientific correspondence*, (Tsurutani, B T, Gonzalez, W D) **358,** 26
Major histocompatibility complex. Proteasome subunits encoded by the major histocompatibility complex are not essential for antigen presentation, *Letter to Nature*, (Momburg, F, Ortiz-Navarrete, V, Neefjes, J, Goulmy, E, van de Wal, Y, Spits, H, Powis, S J, Butcher, G W, Howard, J C, Walden, P, Hämmerling, G J) **360,** 174
Malaria. Malaria: How chloroquine works, *News and views*, (Wellems, T E) **355,** 108
Inhibition by chloroquine of a novel haem polymerase enzyme activity in malaria tropozoites, *Letter to Nature*, (Slater, A F G, Cerami, A) **355,** 167
The malaria capers: More tales of parasites and people, research and reality, *Book review by* Goodwin, L. **356,** 300
Malaria: Waiting for the vaccine, *Book review by* Goodwin, L. **356,** 300
Rapid switching to multiple antigenic and adhesive phenotypes in malaria, *Letter to Nature*, (Roberts, D J, Craig, A G, Berendt, A R, Pinches, R, Nash, G, Marsh, K, Newbold, C I) **357,** 689
Malaria: Asexual deviants take over, *News and views*, (Howard, R J) **357,** 647
Malaria: Obstacles and opportunities, *Book review by* Cox, F E G. **359,** 114
Malaria: Getting into the liver, *News and views*, (Cox, F E G) **359,** 361
Molecular analysis of the association of HLA-B53 and resistance to severe malaria, *Article*, (Hill, A V S, Elvin, J, Willis, A C, Aidoo, M, Allsopp, C E M, Gotch, F M, Gao, X M, Takiguchi, M, Greenwood, B M, Townsend, A R M, McMichael, A J, Whittle, H C) **360,** 434
Malaria: Another route to a vaccine?, *News and views*, (Cox, F E G) **360,** 417
AIDS and malaria experiments, *Scientific correspondence*, (Gosden, R G) **355,** 305
Maintenance of MHC polymorphism, *Scientific correspondence*, (Hughes, A L, Nei, M) **355,** 402
Mammalian genome. Mammalian genome: official journal of the international mammalian genome society, *Journal review*, (Copeland, N G, Silver, L M, Nadeau, J, Klein, J) **359,** 440
Mammalian phylogeny. Mammalian phylogeny: shaking the tree, *Review article*, (Novacek, M J) **356,** 121
Mammalogy. Earliest known Australian Tertiary mammal fauna, *Letter to Nature*, (Godthelp, H, Archer, M, Cifelli, R, Hand, S J, Gilkeson, C F) **356,** 514
Mannose-binding protein. Structure of a C-type mannose-binding protein complexed with an oligosaccharide, *Article*, (Weis, W I, Drickamer, K, Hendrickson, W A) **360,** 127
Mannose. Engineering galactose-binding activity into a C-type mannose-binding protein, *Letter to Nature*, (Drickamer, K) **360,** 183
Mantle convection. Mountain building: Crust in mantle overdrive, *News and views*, (Molnar, P) **358,** 105
Shear-wave splitting and small-scale convection in the continental upper mantle, *Letter to Nature*, (Makeyeva, L I, Vinnik, L P, Roecker, S W) **358,** 144
Large-scale mantle convection and the history of subduction, *Letter to Nature*, (Richards, M A, Engebretson, D C) **355,** 437
Ridges, hotspots and their interaction as observed in seismic velocity maps, *Article*, (Zhang, Y-S, Tanimoto, T) **355,** 45
Mantle geochemistry. Solubility of neutral nickel in silicate melts and implications for the Earth's siderophile element budget, *Letter to Nature*, (Colson, R O) **357,** 65
Formation of harzburgite by pervasive melt/rock reaction in the upper mantle, *Article*, (Kelemen, P B, Dick, H J B, Quick, J E) **358,** 635
Evidence for melt segregation towards fractures in the Horoman mantle peridotite complex, *Letter to Nature*, (Takahashi, N) **359,** 52
Geochemical evidence for melt migration and reaction in the upper mantle, *Letter to Nature*, (Takazawa, E, Frey, F A, Shimizu, N, Obata, M, Bodinier, J L) **359,** 55
A refractory HIMU component in the sources of island-arc magma, *Letter to Nature*, (Hickey-Vargas, R) **360,** 57
Magma composition: A matter of give and take, *News and views*, (Carlson, R W) **359,** 16
Metasomatism of the sub-arc mantle inferred from trace elements in Philippine xenoliths, *Letter to Nature*, (Maury, R C, Defant, M J, Joron, J-L) **360,** 661
A mantle metasomatic injection event linked to late Cretaceous kimberlite magmatism, *Letter to Nature*, (Kinny, P D, Dawson, J B) **360,** 726
Mantle geophysics. Upper-mantle seismic discontinuities and the thermal structure of subduction zones, *Article*, (Vidale, J E, Benz, H M) **356,** 678
Polar path in geomagnetic reversals, *Miscellany*, (Runcorn, S K) **356,** 654
Seismology: A mantle thermometer, *News and views*, (Shearer, P) **356,** 662
Ridge segmentation, faulting and crustal thickness in the Atlantic Ocean, *Letter to Nature*, (Shaw, P R) **358,** 490
Mantle mineralogy. Substantial hydrogen solubility in olivine and implications for water storage in the mantle, *Letter to Nature*, (Bai, Q, Kohlstedt, D L) **357,** 672
Earth sciences: Water in mantle minerals, *News and views*, (Bell, D R) **357,** 646
Proterozoic depletion of the lithosphere recorded in mantle xenoliths from Inner Mongolia, *Letter to Nature*, (Deng, F-L, Macdougall, J D) **360,** 333
Mantle plumes. Geomagnetism: Superplumes and superchrons, *News and views*, (Fuller, M, Weeks, R) **356,** 16
Evidence from Re-Os isotopes for plume-lithosphere mixing in Karoo flood basalt genesis, *Letter to Nature*, (Ellam, R M, Carlson, R W, Shirey, S B) **359,** 718
Ridges, hotspots and their interaction as observed in seismic velocity maps, *Article*, (Zhang, Y-S, Tanimoto, T) **355,** 45
Mantle structure. Seismology: Wrinkles on the inside, *News and views*, (Lay, T) **355,** 768
Global mapping of topography on the 660-km discontinuity, *Article*, (Shearer, P M, Masters, T G) **355,** 791
Deep origin of mid-ocean-ridge seismic velocity anomalies, *Letter to Nature*, (Su, W -J, Woodward, R L, Dziewonski, A M) **360,** 149
Evidence from coupled ^{147}Sm-^{143}Nd and ^{146}Sm-^{142}Nd systematics for very early (4.5-Gyr) differentiation of the Earth's mantle, *Letter to Nature*, (Harper, C L Jr, Jacobsen, S B) **360,** 730
A sharp and flat section of the core-mantle boundary, *Letter to Nature*, (Vidale, J E, Benz, H M) **359,** 627
Mantle, mineralogy. Water in the Earth's upper mantle, *Review article*, (Thompson, A B) **358,** 295
Stability of high-density clinoenstatite at upper-mantle pressures, *Letter to Nature*, (Angel, R J, Chopelas, A, Ross, N L) **358,** 322
Lead isotope evidence for young trace element enrichment in the oceanic upper mantle, *Letter to Nature*, (Halliday, A N, Davies, G R, Lee, D-C, Tommasini, S, Paslick, C R, Fitton, J G, James, D E) **359,** 623
Many-body problems. Territory covered by *N* diffusing particles, *Letter to Nature*, (Larralde, H, Trunfio, P, Havlin, S, Stanley, H E, Weiss, G H) **355,** 423
Statistical physics: New paths for random walkers, *News and views*, (Shlesinger, M F) **355,** 396
MAP kinases. Involvement of $p21^{ras}$ in activation of extracellular signal-regulated kinase 2, *Letter to Nature*, (de Vries-Smits, A M M, Burgering, B M Th, Leevers, S J, Marshall, C J, Bos, J L) **357,** 602
Phosphorylation of transcription factor $p62^{TCF}$ by MAP kinase stimulates ternary complex formation at *c-fos* promoter, *Letter to Nature*, (Gille, H, Sharrocks, A D, Shaw, P E) **358,** 414
Raf-1 activates MAP kinase-kinase, *Letter to Nature*, (Kyriakis, J M, App, H, Zhang, X-f, Banerjee, P, Brautigan, D L, Rapp, U R, Avruch, J) **358,** 417
MARCKS. MARCKS is an actin filament crosslinking protein regulated by protein kinase C and calcium-calmodulin, *Letter to Nature*, (Hartwig, J H, Thelen, M, Rosen, A, Janmey, P A, Nairn, A C, Aderem, A) **356,** 618
Marcus, Rudolph. Nobel prizes go to Caltech chemist, CERN physicist, *News*, (Garwin, L, Finn, R) **359,** 664
Maric, Mileva. Albert Einstein and Mileva Maric: The love letters, *Book review by* Schwartz, J. **360,** 377
Marine biology. Polar and lateral flagellar motors of marine *Vibrio* are driven by different ion-motive forces, *Letter to Nature*, (Atsumi, T, McCarter, L, Imae, Y) **355,** 182
Bromoform emission from Arctic ice algae, *Letter to Nature*, (Sturges, W T, Cota, G F, Buckley, P T) **358,** 660
Burris appointed to head Woods Hole marine laboratory, *News*, (Watson, T) **358,** 269
Novel major archaebacterial group from marine plankton, *Letter to Nature*, (Fuhrman, J A, McCallum, K, Davis, A A) **356,** 148
Shipwrecked tube worms, *Scientific correspondence*, (Dando, P R, Southward, A J, Southward, E C, Dixon, D R, Crawford, A, Crawford, M) **356,** 667
Marine biology: A phantom of the ocean, *News and views*, (Smayda, T J) **358,** 374
Interference imaging of daily growth bands in massive corals, *Letter to Nature*, (Risk, M J, Pearce, T H) **358,** 572
Deep-sea amphipod swarms, *Scientific correspondence*, (Van Dover, C L, Kaartvedt, S, Bollens, S M, Wiebe, P H, Martin, J W, France, S C) **358,** 25
Phytoplankton productivity in the North Pacific ocean since 1900 and implications for absorption of anthropogenic CO_2, *Letter to Nature*, (Falkowski, P G, Wilson, C) **358,** 741
Stable isotope evidence for entry of sewage-derived organic material into a deep-sea food web, *Letter to Nature*, (Van Dover, C L, Grassle, J F, Fry, B, Garritt, R H, Starczak, V R) **360,** 153
New 'phantom' dinoflagellate is the causative agent of major estuarine fish kills, *Letter to Nature*, (Burkholder, J-A M, Noga, E J, Hobbs, C H, Glasgow Jr, H B) **360,** 768
Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution, *Letter to Nature*, (Smith, D C, Simon, M, Alldredge, A L, Azam, F) **359,** 139
Direct evidence for extensive paternal mitochondrial DNA inheritance in the marine mussel *Mytilus*, *Letter to Nature*, (Zouros, E, Freeman, K R, Oberhauser Ball, A, Pogson, G H) **359,** 412
Mats of giant sulphur bacteria on deep-sea sediments due to fluctuating hydrothermal flow, *Letter to Nature*, (Gundersen, J K, Jørgensen, B B, Larsen, E, Jannasch, H W) **360,** 454
Patterns of species diversity in the deep sea as a function of sediment particle size diversity, *Letter to Nature*, (Etter, R J, Grassle, J F) **360,** 576
Dispersal of juveniles and variable recruitment in sessile marine species, *Letter to Nature*, (Gaines, S D, Bertness, M D) **360,** 579
Marine chemistry. Comparison of two methods for measuring dissolved organic carbon in sea water, *Letter to Nature*, (Ogawa, H, Ogura, N) **356,** 696
Seawater carbon measurement, *Scientific correspondence*, (Hedges, J I, Bergamaschi, B A, Ogawa, H, Ogura, N) **359,** 202
Short residence time of colloids in the upper ocean estimated from ^{238}U-^{234}Th disequilibria, *Letter to Nature*, (Moran, S B, Buesseler, K O) **359,** 221
Evidence from nitrogen isotope ratios for enhanced productivity during formation of eastern Mediterranean sapropels, *Letter to Nature*, (Calvert, S E, Nielsen, B, Fontugne, M R) **359,** 223
Link between iron and sulphur cycles suggested by detection of Fe(II) in remote marine aerosols, *Letter to Nature*, (Zhuang, G, Yi, Z, Duce, R A, Brown, P R) **355,** 537
Marine ecology. Biodiversity: Bottoms up for the oceans, *News and views*, (May, R M) **357,** 278
Global ocean monitoring strategy, *Correspondence*, (Sherman, K, Skjoldal, H R, Williams, R) **359,** 769
Changes in the hydrochemistry of the Black Sea inferred from water density profiles, *Letter to Nature*, (Tugrul, S, Basturk, O, Saydam, C, Yilmaz, A) **359,** 137
Marine explosions. Marine blasts to be regulated following UK protest, *News*, (Mundell, I) **357,** 183
Marine explosions, *Correspondence*, (Lockyer, C) **358,** 271
Marine geology. Post-depositional mobility of platinum, iridium and rhenium in marine sediments, *Letter to Nature*, (Colodner, D C, Boyle, E A, Edmond, J M, Thomson, J) **358,** 402
Fire under the sea: The discovery of the most extraordinary environment on Earth - Volcanic hot springs on the ocean floor, *Book review by* Smith, P J. **355,** 32
Marine natural products. Natural products: Sponges to wipe away pain, *News and views*, (Mann, J) **358,** 540
Marine pollution. Marine pollution: Slick solution for oil spills, *News and views*, (Ollis, D) **358,** 453
Marine research. Max Planck opens marine institute, *News*, (Abbott, A) **359,** 763
Marine science. Primary production in the glacial North Atlantic and North Pacific oceans, *Letter to Nature*, (Sancetta, C) **360,** 249
Removal of sulphur from the marine boundary layer by ozone oxidation in sea-salt aerosols, *Letter to Nature*, (Sievering, H, Boatman, J, Gorman, E, Kim, Y, Anderson, L, Ennis, G, Luria, M, Pandis, S) **360,** 571

Water baby: The story of *Alvin*. *Book review by* Smith, P J. **355,** 32
Evidence for photochemical control of ozone concentrations in unpolluted marine air. *Letter to Nature,* (Ayers, G P, Penkett, S A, Gillett, R W, Bandy, B, Galbally, I E, Meyer, C P, Elsworth, C M, Bentley, S T, Forgan, B W) **360,** 446
Marine worms. Strong stuff. *News and views,* **358,** 455
Mars, exploration of. Ways to keep Mars 'clean', *News,* (Mundell, I) **358,** 699
Mars, habitability. Cost of cleanliness may sink European Mars mission, *News,* (Mundell, I) **358,** 443
Mars, subsurface water ice. The thermal stability of near-surface ground ice on Mars, *Letter to Nature,* (Paige, D A) **356,** 43
Mars, water. Martian moraines, *News and views,* **355,** 209
Mars. Paternity pursuit, *News and views,* **358,** 455
Marsupials. Marsupial Y chromosome encodes a homologue of the mouse Y-linked candidate spermatogenesis gene *Ube1y*, *Letter to Nature,* (Mitchell, M J, Woods, D R, Wilcox, S A, Marshall Graves, J A, Bishop, C E) **359,** 528
Evolution of sex determination and the Y chromosome: *SRY*-related sequences in marsupials, *Letter to Nature,* (Foster, J W, Brennan, F E, Hampikian, G K, Goodfellow, P N, Sinclair, A H, Lovell-Badge, R, Selwood, L, Renfree, M B, Cooper, D W, Marshall Graves, J A) **359,** 531
Maseri, Attilio. Faisal prize: Two honoured, *News,* (Aldhous, P) **355,** 755
Mass extinctions. Staying alive, *News and views,* **358,** 538
Dead issues, *News and views,* **357,** 364
Mass spectrometry. Coalescence reactions of fullerenes, *Letter to Nature,* (Yeretzian, C, Hansen, K, Diederich, F, Whetten, R L) **359,** 44
CHON as a component of dust from comet Halley, *Letter to Nature,* (Lawler, M E, Brownlee, D E) **359,** 810
Mast cells. Cell-to-cell spread of calcium signals mediated by ATP receptors in mast cells, *Letter to Nature,* (Osipchuk, Y, Cahalan, M) **359,** 241
Depletion of intracellular calcium stores activates a calcium current in mast cells, *Letter to Nature,* (Hoth, M, Penner, R) **355,** 353
Materials science. Defect-induced melting and solid-state amorphization, *Letter to Nature,* (Fecht, H J) **356,** 133
Young's modulus of a solid two-dimensional Langmuir monolayer, *Letter to Nature,* (Bercegol, H, Meunier, J) **356,** 226
Materials science: Missing atoms and melting, *News and views,* (Cahn, R W) **356,** 108
Cation microsegregation and ionic mobility in mixed alkali glasses, *Letter to Nature,* (Vessal, B, Greaves, G N, Marten, P T, Chadwick, A V, Mole, R, Houde-Walter, S) **356,** 504
Encapsulation of a scandium trimer in C_{82}, *Letter to Nature,* (Shinohara, H, Sato, H, Ohkohchi, M, Ando, Y, Kodama, T, Shida, T, Kato, T, Saito, Y) **357,** 52
An electrochemical route to pre-shaped ceramic bodies, *Letter to Nature,* (Mitchell, P J, Wilcox, G D) **357,** 395
The materials science of thin films, *Book review by* Thompson, C V. **357,** 292
Substantial hydrogen solubility in olivine and implications for water storage in the mantle, *Letter to Nature,* (Bai, Q, Kohlstedt, D L) **357,** 672
Negative Poisson ratios in crystalline SiO_2 from first-principles calculations, *Letter to Nature,* (Keskar, N R, Chelikowsky, J R) **358,** 222
Materials science: The structure of smart fluids, *News and views,* (Whittle, M, Bullough, W A) **358,** 373
Materials science: Metallic solid silicon, *News and views,* (Cahn, R W) **357,** 645
Network-modifying ions in glass, *Scientific correspondence,* (Elliott, S R) **357,** 650
Densification of nanostructured titania assisted by a phase transformation, *Letter to Nature,* (Kumar, K-N P, Keizer, K, Burggraaf, A J, Okubo, T, Nagamoto, H, Morooka, S) **358,** 48
Origin of ferroelectricity in perovskite oxides, *Letter to Nature,* (Cohen, R E) **358,** 136
Ordered mesoporous molecular sieves synthesized by a liquid-crystal template mechanism, *Letter to Nature,* (Kresge, C T, Leonowicz, M E, Roth, W J, Vartuli, J C, Beck, J S) **359,** 710
Materials science: Nanostructures come of age, *News and views,* (Cahn, R W) **359,** 591
Ferroelectric liquid crystals from achiral molecules, *Letter to Nature,* (Tournilhac, F, Blinov, L M, Simon, J, Yablonsky, S V) **359,** 621
Materials science: Strength in disunity, *News and views,* (Calvert, P) **357,** 365
New materials: No contractile obligations, *News and views,* (Lakes, R) **358,** 713
Friction measurements on phase-separated thin films with a modified atomic force microscope, *Letter to Nature,* (Overney, R M, Meyer, E, Frommer, J, Brodbeck, D, Lüthi, R, Howald, L, Güntherodt, H-J, Fujihira, M, Takano, H, Gotoh, Y) **359,** 133
Polyhedral and cylindrical structures of tungsten disulphide, *Letter to Nature,* (Tenne, R, Margulis, L, Genut, M, Hodes, G) **360,** 444
Advanced composite materials: The official journal of the Japan society of composite materials, *Journal review,* (Cahn, R W, Miyairi, H) **359,** 456
Composites engineering, *Journal review,* (Cahn, R W, Hui, D) **359,** 456
Diamond and related materials, *Journal review,* (Cahn, R W, Messier, R) **359,** 456
Journal of cluster science, *Journal review,* (Cahn, R W, Adams, R D, Russell, D H, Teo, B K) **359,** 456
Journal of inorganic and organometallic polymers, *Journal review,* (Cahn, R W, Zeldin, M) **359,** 456
Unmixing of hot inorganic melts, *Scientific correspondence,* (Navrotsky, A) **360,** 306
Ferroelectricity in oxides, *Scientific correspondence,* (Bussmann-Holder, A, Büttner, H) **360,** 541
Evidence of a transition temperature for the optimum deposition of grafted monolayer contings, *Letter to Nature,* (Brzoska, J B, Shahidzadeh, N, Rondelez, F) **360,** 721
Synthesis of dense silicon-based ceramics at low temperatures, *Letter to Nature,* (Riedel, R, Passing, G, Schönfelder, H, Brook, R J) **355,** 714
Mathematical biology. Evolutionary games and spatial chaos, *Letter to Nature,* (Nowak, M A, May, R M) **359,** 826
On prisoners and cells, *News and views,* (Sigmund, K) **359,** 774
Mathematics education. Graduate training: Kinder, gentler, more useful mathematics, *News,* (Lindley, D) **356,** 650
Mathematics, computational. Energy levels by path integration, *News and views,* (Maddox, J) **358,** 707
Mark Kac, *Correspondence,* (Cox, N J) **359,** 356
Mathematics, in biology. Infectious diseases of humans: Dynamics and control, *Book review by* Mollison, D. **358,** 29
Mathematics. The endless search for primality, *News and views,* (Maddox, J) **356,** 283
The art of mathematics, *Book review by* Gardner, M. **358,** 28
Mathematics review, *Journal review,* (Barnard, T, Mond, D, Stewart, I, Tall, D) **359,** 463
Quantum: The student magazine of math and science, *Journal review,* (Barnard, T, Ossipyan, Y, Glashow, S L, Thurston, W P, Kirkpatrick, L D, Saul, M E) **359,** 463
Pi in the sky: Counting, thinking, and being, *Book review by* Berry, M. **360,** 376
Geometry: Another harmony of the spheres, *News and views,* (Max, N) **355,** 115
Numerical methods: Warning - handle with care!, *News and views,* (Stewart, I) **355,** 16
Maturation promoting factor. S-phase feedback control in budding yeast independent of tyrosine phosphorylation of $p34^{cdc28}$, *Letter to Nature,* (Sorger, P K, Murray, A W) **355,** 365
Max Planck Institute. Max Planck opens marine institute, *News,* (Abbott, A) **359,** 763
Max Planck institute gets new life, *News,* (Abbott, A) **360,** 6
Max Planck Society. Max Planck stays put, *News,* (Abbott, A) **357,** 528
Max protein. Transcriptional activation by the human c-Myc oncoprotein in yeast requires interaction with Max, *Letter to Nature,* (Amati, B, Dalton, S, Brooks, M W, Littlewood, T D, Evan, G I, Land, H) **359,** 423
Myc and Max proteins possess distinct transcriptional activities, *Letter to Nature,* (Kretzner, L, Blackwood, E M, Eisenman, R N) **359,** 426
Maximum-entropy methods. Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking, *Article,* (Dong, W, Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) **355,** 605
Maxwell's equations. Innovation in Maxwell's electromagnetic theory: Molecular vortices, displacement current, and light, *Book review by* Harman, P M. **356,** 753
Maxwell, James Clerk. Innovation in Maxwell's electromagnetic theory: Molecular vortices, displacement current, and light, *Book review by* Harman, P M. **356,** 753
Maxwell, Robert. Maxwell's role, *Correspondence,* (Smith, A D) **355,** 490
Maya language. Breaking the Maya Code, *Book review by* Saunders, N J. **360,** 26
McClintock, Barbara. The dynamic genome: Barbara McClintock's ideas in the century of genetics, *Book review by* Fincham, J R S. **358,** 631
Obituary: Barbara McClintock (1902-1992), *News and views,* (Fink, G R) **359,** 272
Meat production. Today's non-Orwellian animal farm, *Commentary,* (Jukes, T H) **355,** 582
Well-being and productivity, *Correspondence,* (Jukes, T H) **358,** 186
Mechanics. Real-life failure, *Scientific correspondence,* (Podell, H I) **355,** 683
Medical ethics. Medical ethics: UK panels need more clout, *News,* (Mundell, I) **356,** 737
Group asks NIH to stop growth hormone trials, *News,* (Anderson, C) **358,** 4
Rifkin wins battle over NIH growth trials, *News,* (Watson, T) **358,** 529
Groups sue to end fetal tissue ban, *News,* (Anderson, C) **359,** 761
German institutes, industry seek to ease genetic engineering laws, *News,* (Abbott, A) **359,** 93
The facts of life: Science and the abortion controversy, *Book review by* Hubbard, R. **360,** 379
Gene therapy researcher under fire over controversial cancer trials, *News,* (Anderson , C) **360,** 399
Ethics: Daniel Zagury cleared of misconduct charges, *News,* (Culliton, B J) **355,** 286
Gene therapy: Britain gives the green light, *News,* (Aldhous, P) **355,** 190
Medical Research Council, Canada. Canada's medical council wants larger role, *News,* (Spurgeon, D) **357,** 271
Medical research, Europe. Medical research: Will EC policy boost European health studies?, *News,* (Aldhous, P) **355,** 286
Medical research, Japan. Search for contaminant in EMS outbreak goes slowly, *News,* (Swinbanks, D, Anderson, C) **358,** 96
Medical research, prizes. Research prize: Three share Jeantet award in medicine, *News,* (Aldhous, P) **355,** 287
Medical research, UK. Wellcome Trust to double spending after sale of shares, *News,* (Mundell, I) **358,** 359
NHS opens meta-analysis centre, *News,* (Mundell, I) **359,** 660
Research groups to leave Hunterian Institute, *News,* (Mundell, I) **358,** 704
AIDS treatment: Confusion over therapy, *News,* (Aldhous, P) **355,** 102
Medical research, US. Congress looks for methods to assess clinical research, *News,* (Anderson, C) **357,** 5
Search for contaminant in EMS outbreak goes slowly, *News,* (Swinbanks, D, Anderson, C) **358,** 96
SW medical center, famous and favoured, is thriving, *Commentary,* (Culliton, B J) **357,** 627
Bush spins tall tale of technology transfer, *News,* (Mervis, J) **358,** 530
Battle lines form over fetal tissue research, *News,* (Anderson, C) **355,** 189
NIH's first strategic plan debated, *Opinion,* **355,** 573
Medical research. Welcoming Wellcome, *Opinion,* **358,** 440
The crisis in clinical research: Over-coming institutional obstacles, *Book review by* Petersdorf, R G. **358,** 722
Hughes looks east for next expansion, *News,* (Anderson, C) **360,** 504
Change at the Karolinska, *News,* **360,** 514
Drug development: Drugs tested for women, *News,* (Gershon, D) **355,** 287
Medicinal chemistry. Bioorganic and medicinal chemistry letters, *Journal review,* (James, K, Boger, D L) **359,** 458
Medicinal chemistry research, *Journal review,* (James, K, Glennon, R A, Burger, A) **359,** 458
Medicine, history of. Miasmas and disease: Public health and the environment in the pre-industrial age, *Book review by* Davenport-Hines, R. **356,** 639
The fourth horseman: A short history of epidemics, plagues and other scourges, *Book review by* Davenport-Hines, R. **356,** 639
Medicine, unconventional. NIH makes room for the unconventional after Congress mandates new programme, *News,* (Mervis, J) **358,** 5
Medicine. Defeating pain: The war against a silent epidemic, *Book review by* Duggan, A W. **356,** 120
The culture of pain, *Book review by* Duggan, A W. **356,** 120
To the ends of the Earth: Women's search for education in medicine, *Book review by* Rossiter, M W. **356,** 485
Mediterranean, palaeoclimatology. Mediterranean vegetation, lake levels and palaeoclimate at the Last Glacial Maximum, *Letter to Nature,* (Prentice, I C, Guiot, J, Harrison, S P) **360,** 658
Meiosis. Kinesin-related cut7 protein associates with mitotic and meiotic spindles in fission yeast, *Letter to Nature,* (Hagan, I, Yanagida, M) **356,** 74
Homing of a DNA endonuclease gene by meiotic gene conversion in *Saccharomyces cerevisiae*, *Article,* (Gimble, F S, Thorner, J) **357,** 301
A meiotic gene conversion gradient opposite to the direction of transcription, *Letter to Nature,* (Malone, R E, Bullard, S, Lundquist, S, Kim, S, Tarkowski, T) **359,** 154
Melanoma. Melanoma research, *Journal review,* (Cheresh, D A, Lejeune, F, Prota, G, Riley, P) **359,** 442
Melt segregation, mantle. Evidence for melt segregation towards fractures in the Horoman mantle peridotite complex, *Letter to Nature,* (Takahashi, N) **359,** 52
Geochemical evidence for melt migration and reaction in the upper mantle, *Letter to Nature,* (Takazawa, E, Frey, F A, Shimizu, N, Obata, M, Bodinier, J L) **359,** 55
Melting. Defect-induced melting and solid-state amorphization, *Letter to Nature,* (Fecht, H J) **356,** 133
Materials science: Missing atoms and melting, *News and views,* (Cahn, R W) **356,** 108
Membrane conformations. Crumpled and collapsed conformations in graphite oxide membranes, *Letter to Nature,* (Wen, X, Garland, C W, Hwa, T, Kardar, M, Kokufuta, E, Li, Y, Orkisz, M, Tanaka, T) **355,** 426
Membrane fusion. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion, *Letter to Nature,* (Blobel, C P, Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) **356,** 248
Cell biology: A family of fusion proteins, *News and views,* (Aitken, J) **356,** 196
Exocytotic fusion is activated by Rab3a peptides, *Letter to Nature,* (Oberhauser, A F, Monck, J R, Balch, W E, Fernandez, J M) **360,** 271
Membrane proteins. Dominant domain, *News and views,* **359,** 672
Retraction: Identification by anti-idiotype antibodies of an intracellular membrane protein that recognizes a mammalian endoplasmic reticulum retention signal, *Article,*

(Vaux, D, Tooze, J, Fuller, S) **360,** 372
Skeleton key, *News and views,* **359,** 478
Membrane receptors. Neurobiology: Modules for molecules, *News and views,* (Shepherd, G M) **358,** 457
Membrane transport. Defective regulation of outwardly rectifying Cl channels by protein kinase A corrected by insertion of CFTR, *Letter to Nature,* (Egan, M, Flotte, T, Afione, S, Solow, R, Zeitlin, P L, Carter, B J, Guggino, W B) **358,** 581
Brefeldin A inhibits Golgi membrane-catalysed exchange of guanine nucleotide onto ARF protein, *Letter to Nature,* (Donaldson, J G, Finazzi, D, Klausner, R D) **360,** 350
Inhibition by brefeldin A of a Golgi membrane enzyme that catalyses exchange, *Letter to Nature,* (Helms, J B, Rothman, J E) **360,** 352
Membranes, biological. A functional barrier to movement of lipids in polarized neurons, *Letter to Nature,* (Kobayashi, T, Storrie, B, Simons, K, Dotti, C G) **359,** 647
Membranes, silicon. Silicon sieve, *News and views,* **355,** 681
Memory. Long-term potentiation: Knocking out memory's door, *News and views,* (Madison, D V) **358,** 626
Motor learning in a recurrent network model based on the vestibulo-ocular reflex, *Letter to Nature,* (Lisberger, S G, Sejnowski, T J) **360,** 159
Postsynaptic contribution to long-term potentiation revealed by the analysis of miniature synaptic currents, *Article,* (Manabe, T, Renner, P, Nicoll, R A) **355,** 50
Long-term potentiation: Miniatures get bigger, *News and views,* (Edwards, F A) **355,** 21
Mental health. US research politics: Goodwin stumbles, *News,* (Mervis, J) **356,** 6
Of animals and men, *Correspondence,* (Dayis, B D) **357,** 187
Remedies for brain disorders, *Correspondence,* (Bignami, G) **359,** 266
Merck, Sharp & Dohme. Merck v. Glaxo: The billion-dollar battle, *Book review by* Medawar, C. **357,** 651
Merck. If biological diversity has a price, who sets it and who should benefit?, *News,* (Gershon, D) **359,** 565
Mercury pollution. Mercury pollution in Brazil, *Scientific correspondence,* (Nriagu, J O, Pfeiffer, W C, Malm, O, Magalhaes de Souza, C M, Mierle, G) **356,** 389
Regional trends in mercury distribution across the Great Lakes states, north central USA, *Letter to Nature,* (Nater, E A, Grigal, D F) **358,** 139
Mercury and gold pollution, *Scientific correspondence,* (Fuge, R, Pearce, N J G, Perkins, W T) **357,** 369
Mercury, atmospheric. Increase in global atmospheric concentrations of mercury inferred from measurements over the Atlantic Ocean, *Letter to Nature,* (Slemr, F, Langer, E) **355,** 434
MeroCaM. Patterns of elevated free calcium and calmodulin activation in living cells, *Letter to Nature,* (Hahn, K, DeBiasio, R, Lansing Taylor, D) **359,** 736
Mesoderm formation. Involvement of p21^{ras} in *Xenopus* mesoderm induction, *Letter to Nature,* (Whitman, M, Melton, D A) **357,** 252
Ectopic mesoderm formation in *Xenopus* embryos caused by widespread expression of a *Brachyury* homologue, *Letter to Nature,* (Cunliffe, V, Smith, J C) **358,** 427
Activins: No muscles, but what a brain, *News and views,* (Lemaire, P) **359,** 586
A truncated activin receptor inhibits mesoderm induction and formation of axial structures in Xenopus embryos, *Article,* (Hemmati-Brivanlou, A, Melton, D A) **359,** 609
Meson research. The meson factories, *Book review by* Miller, D J. **356,** 756
***met* repressor-operator complex.** Crystal structure of the *met* repressor-operator complex at 2.8Å resolution reveals DNA recognition by ß-strands, *Article,* (Somers, W S, Phillips, S E V) **359,** 387
Probing *met* repressor-operator recognition in solution, *Letter to Nature,* (He, Y-Y, McNally, T, Manfield, I, Navratil, O, Old, I G, Phillips, S E V, Saint-Girons, I, Stockley, P G) **359,** 431
Metamorphic petrology. The timing of mineral growth across a regional metamorphic sequence, *Letter to Nature,* (Burton, K W, O'Nions, R K) **357,** 235
Metaphysics. The mind of God: The scientific basis for a rational world, *Book review by* Price, H. **356,** 632
The capricious cosmos: Universe beyond law, *Book review by* Price, H. **356,** 632
Descartes' metaphysical physics, *Book review by* Hall, A R. **358,** 633
Metasomatism. Water in the Earth's upper mantle, *Review article,* (Thompson, A B) **358,** 295
Metasomatism of the sub-arc mantle inferred from trace elements in Philippine xenoliths, *Letter to Nature,* (Maury, R C, Defant, M J, Joron, J-L) **360,** 661
A mantle metasomatic injection event linked to late Cretaceous kimberlite magmatism, *Letter to Nature,* (Kinny, P D, Dawson, J B) **360,** 726
Metchnikoff, Ilya. Metchnikoff and the origins of immunology: From metaphor to theory, *Book review by* Rosen, F S. **356,** 119
Meteorite impacts. Endogenous production, exogenous delivery and impact-shock synthesis of organic molecules: an inventory for the origins of life, *Review article,* (Chyba, C, Sagan, C) **355,** 125
Meteorites, extrasolar. Meteorites: Stardust and planet dust, *News and views,* (McGlynn, T A) **355,** 20
Meteorites, impact craters. Recent grazing impacts on the Earth recorded in the Rio Cuarto crater field, Argentina, *Letter to Nature,* (Schultz, P H, Lianza, R E) **355,** 234
Meteorites. Paternity pursuit, *News and views,* **358,** 455
Meteoritics: Stardust memories, *News and views,* (Wright, I P) **356,** 567
Planetary geology: Killer acid at the K/T boundary, *News and views,* (McKinnon, W B) **357,** 15
A compositional classification scheme for meteoritic chondrules, *Article,* (Sears, D W G, Jie, L, Benoit, P H, DeHart, J M, Lofgren, G E) **357,** 207
Clues to early Solar System history from chromium isotopes in carbonaceous chondrites, *Article,* (Rotaru, M, Birck, J L, Allègre, C J) **358,** 465
Planetary science: Airblast scars on Venus, *News and views,* (Melosh, H J) **358,** 622
Meteorites: Stardust and planet dust, *News and views,* (McGlynn, T A) **355,** 20
Meteorology. Predicting hurricane tracks, *Scientific correspondence,* (Bennett, A, Hagelberg, C, Leslie, L) **360,** 423
Methane, atmospheric. Consumption of atmospheric methane by desert soils, *Letter to Nature,* (Striegl, R G, McConnaughey, T A, Thorstenson, D C, Weeks, E P, Woodward, J C) **357,** 145
Indirect chemical effects of methane on climate warming: Correction, *Letter to Nature,* (Lelieveld, J, Crutzen, P J) **357,** 607
Slowing down of the global accumulation of atmospheric methane during the 1980s, *Letter to Nature,* (Steele, L P, Dlugokencky, E J, Lang, P M, Tans, P P, Martin, R C, Masarie, K A) **358,** 313
Indirect chemical effects of methane on climate warming, *Letter to Nature,* (Lelieveld, J, Crutzen, P J) **355,** 339
Methane and Milankovitch cycles, *Scientific correspondence,* (Adams, J M, Faure, H, Petit-Maire, N) **355,** 214
Atmospheric methane: Tropical wetland sources, *News and views,* (Street-Perrott, F A) **355,** 23
Leaking gas and greenhouse, *Correspondence,* (Herbert, R) **355,** 196
Possible methane-induced polar warming in the early Eocene, *Letter to Nature,* (Sloan, L C, Walker, J C G, Moore Jr, T C, Rea, D K, Zachos, J C) **357,** 320
Methane-oxidizing bacteria. Importance of methane-oxidizing bacteria in the methane budget as revealed by the use of a specific inhibitor, *Letter to Nature,* (Oremland, R S, Culbertson, C W, Oremland, R S, Culbertson, C W) **356,** 421
Mexico, politics. Political views, *Correspondence,* (Cuarón, A D, Chávez-Rivera, R) **358,** 534
MHC class 1 molecules. Proteasome subunits encoded in the MHC are not generally required for the processing of peptides bound by MHC class I molecules, *Letter to Nature,* (Arnold, D, Driscoll, J, Androlewicz, M, Hughes, E, Cresswell, P, Spies, T) **360,** 171
MHC genes. Immunogenetics: Viruses, cancer and the MHC, *News and views,* (Klitz, W) **356,** 17
Linkage of regression and malignant conversion of rabbit viral papillomas to MHC class II genes, *Letter to Nature,* (Han, R, Breitburd, F, Marche, P N, Orth, G) **356,** 66
MHC molecules. Antigen processing: Who needs peptide transporters?, *News and views,* (Dobberstein, B) **355,** 109
Extrathymic positive selection of αß T-cell precursors in nude mice, *Letter to Nature,* (Speiser, D E, Stübi, U, Zinkernagel, R M) **355,** 170
HLA-A2 molecules in an antigen-processing mutant cell contain signal sequence-derived peptides, *Letter to Nature,* (Wei, M L, Cresswell, P) **356,** 443
Chagas' disease: Defence cuts begin to bite, *News and views,* (Parham, P) **356,** 29
Assembly and function of the two ABC transporter proteins encoded in the human major histocompatibility complex, *Letter to Nature,* **355,** 641
Sexual selection and MHC genes, *Scientific correspondence,* (Pomiankowski, A, Pagel, M) **356,** 293
Sexual selection and MHC genes: Reply, *Scientific correspondence,* (Potts, W K, Manning, C J, Wakeland, E K) **356,** 294
Susceptibility of ß$_2$-microglobulin-deficient mice to *Trypanosoma cruzi* infection, *Letter to Nature,* (Tarleton, R L, Koller, B H, Latour, A, Postan, M) **356,** 338
Signal for T-cell differentiation to a CD4 cell lineage is delivered by CD4 transmembrane region and/or cytoplasmic tail, *Letter to Nature,* (Seong, R H, Chamberlain, J W, Parnes, J R) **356,** 718
Specific low-affinity recognition of major histocompatibility complex plus peptide by soluble T-cell receptor, *Letter to Nature,* (Weber, S, Traunecker, A, Cliveri, F, Gerhard, W, Karjalainen, K) **356,** 793
MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8, *Letter to Nature,* (König, R, Huang, L-Y, Germain, R N) **356,** 796
Identification of a CD4 binding site on the ß$_2$ domain of HLA-DR molecules, *Letter to Nature,* (Cammarota, G, Scheirle, A, Takacs, B, Doran, D M, Knorr, R, Bannwarth, W, Guardiola, J, Sinigaglia, F) **356,** 799
Antigen processing: A new presentation pathway?, *News and views,* (Townsend, A) **356,** 386
T-cell receptors: At grips with interactions, *News and views,* (Williams, A F, Beyers, A D) **356,** 746
Tetrameric cell-surface MHC class I molecules, *Letter to Nature,* (Krishna, S, Benaroch, P, Pillai, S) **357,** 164
Effect of polymorphism of an MHC-linked transporter on the peptides assembled in a class I molecule, *Article,* (Powis, S J, Deverson, E V, Coadwell, W J, Ciruela, A, Huskisson, N S, Smith, H, Butcher, G W, Howard, J C) **357,** 211
Irreversible association of peptides with class II MHC molecules in living cells, *Letter to Nature,* (Lanzavecchia, A, Reid, P A, Watts, C) **357,** 249
Unusual *HLA-B* alleles in two tribes of Brazilian Indians, *Letter to Nature,* (Belich, M P, Madrigal, J A, Hildebrand, W H, Zemmour, J, Williams, R C, Luz, R, Petzl-Erler, M L, Parham, P) **357,** 326
New recombinant *HLA-B* alleles in a tribe of South American Amerindians indicate rapid evolution of MHC class I loci, *Letter to Nature,* (Watkins, D I, McAdam, S N, Liu, X, Strang, C R, Milford, E L, Levine, C G, Garber, T L, Dogon, A L, Lord, C I, Ghim, S H, Troup, G M, Hughes, A L, Letvin, N L) **357,** 329
Location of MHC-encoded transporters in the endoplasmic reticulum and *cis*-Golgi, *Letter to Nature,* (Kleijmeer, M J, Kelly, A, Geuze, H J, Slot, J W, Townsend, A, Trowsdale, J) **357,** 342
Molecular genetics: Fast forward in the MHC, *News and views,* (Howard, J) **357,** 284
Processing pathways for presentation of cytosolic antigen to MHC class II-restricted T cells, *Letter to Nature,* (Malnati, M S, Marti, M, LaVaute, T, Jaraquemada, D, Biddison, W, DeMars, R, Long, E O) **357,** 702
CD8 and CD4: The box and the rod, *News and views,* (Parham, P) **357,** 538
Signal sequence identified, *Scientific correspondence,* (Hartmann, E, Rapoport, T A, Prehn, S) **358,** 198
CD21 is a ligand for CD23 and regulates IgE production, *Letter to Nature,* (Aubry, J-P, Pochon, S, Graber, P, Jansen, K U, Bonnefoy, J-Y) **358,** 505
Evidence for a viral superantigen in humans, *Letter to Nature,* (Lafon, M, Lafage, M, Martinez-Arends, A, Ramircz, R, Vuillier, F, Charron, D, Lotteau, V, Scott-Algara, D) **358,** 507
MHC class I alloantigen specificity of Ly-49$^+$ IL-2-activated natural killer cells, *Letter to Nature,* (Karlhofer, F M, Ribaudo, R K, Yokoyama, W M) **358,** 66
Predominant naturally processed peptides bound to HLA-DR1 are derived from MHC-related molecules and are heterogeneous in size, *Letter to Nature,* (Chicz, R M, Urban, R G, Lane, W S, Gorga, J C, Stern, L J, Vignali, D A A, Strominger, J L) **358,** 764
Enterotoxin residues determining T-cell receptor Vß binding specificity, *Letter to Nature,* (Irwin, M J, Hudson, K R, Fraser, J D, Gascoigne, N R J) **359,** 841
Peptides bound to MHC, *Scientific correspondence,* (van Noort, J M, Janeway, C A Jr, Rudensky, A Y, Preston-Hurlburt, P) **357,** 120
Antigen presentation: Flying the first class flag, *News and views,* (Parham, P) **357,** 193
Signalling through the MHC class II cytoplasmic domain is required for antigen presentation and induces B7 expression, *Letter to Nature,* (Nabavi, N, Freeman, G J, Gault, A, Godfrey, D, Nadler, L M, Glimcher, L H) **360,** 266
Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle, *Letter to Nature,* (Guo, H-C, Jardetzky, T S, Garrett, T P J, Lane, W S, Strominger, J L, Wiley, D C) **360,** 364
Atomic structure of a human MHC molecule presenting an influenza virus peptide, *Letter to Nature,* (Silver, M L, Guo, H-C, Stominger, J L, Wiley, D C) **360,** 367
MHC at sea, *News and views,* **359,** 106
Truncation variants of peptides isolated from MHC class II molecules suggest sequence motifs, *Letter to Nature,* (Rudensky, A Yu, Preston-Hurlburt, P, Al-Ramadi, B K, Rothbard, J, Janeway, C A Jr) **359,** 429
HLA-DR molecules from an antigen-processing mutant cell line are associated with invariant chain peptides, *Letter to Nature,* (Riberdy, J M, Newcomb, J R, Surman, M J, Barbosa, J A, Cresswell, P) **360,** 474
Inefficient positive selection of T cells directed by haematopoietic cells, *Letter to Nature,* (Bix, M, Raulet, D) **359,** 330
Communal nesting patterns in mice implicate MHC genes in kin recognition, *Letter to Nature,* (Manning, C J, Wakeland, E K, Potts, W K) **360,** 581
Immunology: Deconstructing the MHC, *News and views,* (Parham, P) **360,** 300
Superantigen data, *Scientific correspondence,* (Fraser, J D, Lafon, M) **360,** 423
Behavioural ecology: Of mice and the MHC, *News and views,* (Grafen, A) **360,** 530
Mapping T-cell receptor-peptide contacts by variant peptide immunization of single chain-chain transgenics, *Article,* (Jorgensen, J L, Esser, U, de St Groth, B F, Reay, P A, Davis, M M) **355,** 224
MHC polymorphism. Maintenance of MHC polymorphism, *Scientific correspondence,* (Hughes, A L, Nei, M) **355,** 402
Maintenance of MHC polymorphism: Reply, *Scientific correspondence,* (Hill, A V S, Kwiatkowski, D, McMichael, A J, Greenwood, B M, Bennett, S) **355,** 403
Mice. Of mice and men, *Scientific correspondence,* (Holliday, R) **360,** 305
Micelles. Autocatalytic self-replicating micelles as models for prebiotic structures, *Letter to Nature,* (Bachmann, P A, Luisi, P L, Lang, J) **357,** 57

Mixed micelles in drug delivery, *Product review*, (Lasic, D D) **355,** 279
Microbiology. Microbial genetics: Sexual identity and smut, *News and views*, (Egel, R) **357,** 23
Polymer science: Tender morsels for microbes, *News and views*, (Calvert, P) **360,** 535
Neutral terms, *Scientific correspondence*, (Forterre, P) **355,** 705
Microelectronics. Singular work, *News and views*, **355,** 398
Microengineering. Laser physics: *Ultrason et lumière*, *News and views*, (Evans, R G) **355,** 769
ß$_2$-microglobulin. Susceptibility of ß$_2$-microglobulin-deficient mice to *Trypanosoma cruzi* infection, *Letter to Nature*, (Tarleton, R L, Koller, B H, Latour, A, Postan, M) **356,** 338
Microglobulin. Chagas' disease: Defence cuts begin to bite, *News and views*, (Parham, P) **356,** 291
Microgravity. *Mir* for the crystallographers' money, *Commentary*, (Stoddard, B L, Strong, R K, Arrott, A, Farber, G K) **360,** 293
Microlithography. DNA electrophoresis in microlithographic arrays, *Letter to Nature*, (Volkmuth, W D, Austin, R H) **358,** 600
Microscopy. Seeing the unseeable, *Miscellany*, **355,** 764
Atomic replacement and vacancy formation and annihilation on iridium surfaces, *Letter to Nature*, (Tsong, T T, Chen, C-L) **355,** 328
The interfacial-force microscope, *Product review*, (Houston, J E, Michalske, T A) **356,** 266
Protein images obtained by STM, AFM and TEM, *Product review*, (Arakawa, H, Umemura, K, Ikai, A) **358,** 171
Mechanical detection of magnetic resonance, *Letter to Nature*, (Rugar, D, Yannoni, C S, Sidles, J A) **360,** 563
Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking, *Article*, (Dong, W, Baird, T, Fryer, J R, Gilmore, C J, MacNicol, D D, Bricogne, G, Smith, D J, O'Keefe, M A, Hövmoller, S) **355,** 605
Microsegregation. Cation microsegregation and ionic mobility in mixed alkali glasses, *Letter to Nature*, (Vessal, B, Greaves, G N, Marten, P T, Chadwick, A V, Mole, R, Houde-Walter, S) **356,** 504
Network-modifying ions in glass, *Scientific correspondence*, (Elliott, S R) **357,** 650
Microsensors. Nitric oxide release from a single cell measured *in situ* by a porphyrinic-based microsensor, *Letter to Nature*, (Malinski, T, Taha, Z) **358,** 676
Biosensors: NO release for good measure, *News and views*, (Snyder, S H) **358,** 623
Microtubules. ρ-Tubulin is a centrosomal protein required for cell cycle-dependent microtubule nucleation, *Letter to Nature*, (Joshi, H C, Palacios, M J, McNamara, L, Cleveland, D W) **356,** 80
Stabilization of sea urchin flagellar microtubules by histone H1, *Article*, (Multigner, L, Gagnon, J, Van Dorsselaer, A, Job, D) **360,** 33
Cell biology: New cytoskeletal liaisons, *News and views*, (Goldstein, L S B, Vale, R D) **359,** 193
A vertebrate actin-related protein is a component of a multisubunit complex involved in microtubule-based vesicle motility, *Letter to Nature*, (Lees-Miller, J P, Helfman, D M, Schroer, T A) **359,** 244
Cell biology: Every motion has its motor, *News and views*, (Gelfand, V I, Scholey, J M) **359,** 480
Microtubule-motor activity of a yeast centromere-binding protein complex, *Letter to Nature*, (Hyman, A A, Middleton, K, Centola, M, Mitchison, T J, Carbon, J) **359,** 533
Mitotic spindle organization by a plus-end-directed microtubule motor, *Letter to Nature*, (Sawin, K E, LeGuellec, K, Philippe, M, Mitchison, T J) **359,** 540
A plus-end-directed motor enzyme that moves antiparallel microtubules *in vitro* localizes to the interzone of mitotic spindles, *Letter to Nature*, (Nislow, C, Lombillo, V A, Kuriyama, R, McIntosh, J R) **359,** 543
Projection domains of MAP2 and tau determine spacings between microtubules in dendrites and axons, *Letter to Nature*, (Chen, J, Kanai, Y, Cowan, N J, Hirokawa, N) **360,** 674
Correction: Homology of a 150K cytoplasmic dynein-associated polypeptide with the *Drosophila* gene, *Letter to Nature*, (Holzbaur, E L F, Hammarback, J A, Paschal, B M, Kravit, N G, Pfister, K K, Vallee, R B) **360,** 695
Mid-ocean ridges. Relationship between spreading rate and the seismic structure of mid-ocean ridges, *Letter to Nature*, (Purdy, G M, Kong, L S L, Christeson, G L, Solomon, S C) **355,** 815
Crustal control of ridge segmentation inferred from observations of the Reykjanes Ridge, *Letter to Nature*, (Bell, R E, Buck, W R) **357,** 583
Spatial and temporal variability in the geochemistry of basalts from the East Pacific Rise, *Article*, (Reynolds, J R, Langmuir, C H, Bender, J F, Kastens, K A, Ryan, W B F) **359,** 493
Ridge segmentation, faulting and crustal thickness in the Atlantic Ocean, *Letter to Nature*, (Shaw, P R) **358,** 490
Mid-ocean ridges: Slimline magma chambers, *News and views*, (Bloomer, S, Meyer, P) **357,** 117
Hydrothermal supermounds, *Scientific correspondence*, (Murton, B J, German, C R) **358,** 629
Deep origin of mid-ocean-ridge seismic velocity anomalies, *Letter to Nature*, (Su, W -J, Woodward, R L, Dziewonski, A M) **360,** 149
Ridges, hotspots and their interaction as observed in seismic velocity maps, *Article*, (Zhang, Y-S, Tanimoto, T) **355,** 45
Migration inhibitory factors. Rat liver protein linking chemical and immunological detoxification systems, *Letter to Nature*, (Blocki, F A, Schlievert, P M, Wackett, L P) **360,** 269
Migration, bird. Rapid microevolution of migratory behaviour in a wild bird species, *Letter to Nature*, (Berthold, P, Helbig, A J, Mohr, G, Querner, U) **360,** 668
Military data, US. Researchers see obstacles in using spy data, *News*, (Watson, T) **358,** 178
Military research, Russia. Saving Russian science: Stopping the Russian nuclear brain drain, *News*, (Land, T) **355,** 576
Military research, US. US national laboratories: Beating swords into "critical technologies", *News*, (Anderson, C) **355,** 578
Military research. Animal research: Military stands firm on dissection, *News*, (Anderson, C) **356,** 554
Military technology. Echoes of war: The story of H$_2$S radar, *Book review by* Jones, R V, **355,** 307
Milky Way galaxy. Astronomy: Fire burn and cauldron bubble, *News and views*, (Blitz, L) **357,** 361
Milky Way: Will the real Galactic Centre please stand up?, *News and views*, (Ho, P T P) **355,** 495
Millikan, Robert A. Millikan's school: A history of the California Institute of Technology, *Book review by* Regis, E. **356,** 629
Millisecond pulsars. Pulsar planets, *Scientific correspondence*, (van den Heuvel, E P J) **356,** 668
Millisecond pulsars with extremely strong magnetic fields as a cosmological source of gamma-ray bursts, *Letter to Nature*, (Usov, V V) **357,** 472
X-ray detection of the eclipsing millisecond pulsar PSR1957+20, *Letter to Nature*, (Kulkarni, S R, Phinney, E S, Evans, C R, Hasinger, G) **359,** 300
A planetary system around the millisecond pulsar PSR1257+12, *Letter to Nature*, (Wolszczan, A, Frail, D A) **355,** 145
Genesis of a pulsar's planets, *Scientific correspondence*, (Wuers, R A M J, van den Heuvel, E P J, van Kerkwuk, M H, Bhattacharya, D) **355,** 593
Mineral deposition. Alleghenian age of the Upper Mississippi Valley zinc-lead deposit determined by Rb-Sr dating of sphalerite, *Letter to Nature*, (Brannon, J C, Podosek, F A, McLimans, R K) **356,** 509
Mineral deposits: Continents ring the changes, *News and views*, (Kerrich, R) **358,** 16
Mineralization, gold. Ages of altered granites adjoining the Witwatersrand Basin with implications for the origin of gold and uranium, *Letter to Nature*, (Robb, L J, Davis, D W, Kamo, S L, Meyer, F M, Robb, L J, Davis, D W, Kamo, S L, Meyer, F M) **357,** 677
Mineralogy. Ancient atmospheric CO_2 pressures inferred from natural goethites, *Letter to Nature*, (Yapp, C J, Poths, H) **355,** 342
A molecular water pump in quartz dislocations, *Letter to Nature*, (Heggie, M I) **355,** 337
Control of dissolution rates of orthosilicate minerals by divalent metal-oxygen bonds, *Letter to Nature*, (Casey, W H, Westrich, H R) **355,** 157
Minimal surfaces. Energetics of negatively curved graphitic carbon, *Letter to Nature*, (Lenosky, T, Gonze, X, Teter, M, Elser, V) **355,** 333
Mining, Amazon. Sustainable populations?, *Scientific correspondence*, (Hambler, C, Whitmore, T C) **356,** 294
Mining in the Amazonian rainforests, *Scientific correspondence*, (Hoppe, A) **355,** 593
Mirror writing. Mirror script, *Scientific correspondence*, (Skoyles, J R) **357,** 25
Mirror-script and left-handedness, *Scientific correspondence*, (Smetacek, V) **355,** 118
Missile programme, India. Indian missile test fizzles out, *News*, (Jayaraman, K S) **357,** 352
Missile Technology Control Regime. US leans on Russia to drop rocket agreement, *News*, (Jayaraman, K S) **356,** 732
Russians reassure India on rocket contract, *News*, (Jayaraman, K S) **357,** 99
India claims market drives US ban on space contracts, *News*, (Jayaraman, K S) **357,** 271
Mississippi Valley-type deposits. Deep heat, *News and views*, **355,** 302
Mitchell, Peter. Obituary: Peter Mitchell (1920-1992), *News and views*, (Garland, P) **356,** 747
MITI. Japan wants global guidelines for joint research projects, *News*, (Swinbanks, D, Mervis, J, Abbott, A) **360,** 5
Mitochondria. Mapping of the protein import machinery in the mitochondrial outer membrane by crosslinking of translocation intermediates, *Letter to Nature*, (Söllner, T, Rassow, J, Wiedmann, M, Schlossmann, J, Keil, P, Neupert, W, Pfanner, N) **355,** 84
Mitochondrial DNA. Direct evidence for extensive paternal mitochondrial DNA inheritance in the marine mussel *Mytilus*, *Letter to Nature*, (Zouros, E, Freeman, K R, Oberhauser Ball, A, Pogson, G H) **359,** 412
Antiquity of clonal salamander lineages revealed by mitochondrial DNA, *Letter to Nature*, (Spolsky, C M, Phillips, C A, Uzzell, T) **356,** 706
Ancestry of unisexual salamanders, *Letter to Nature*, (Hedges, S B, Bogart, J P, Maxson, L R) **356,** 708
More than survivors, *Correspondence*, (Maxson, L R) **356,** 652
Clonal histories: Age and the unisexual lineage, *News and views*, (Maynard Smith, J) **356,** 661
Rates of mitochondrial DNA evolution in sharks are slow compared with mammals, *Letter to Nature*, (Martin, A P, Naylor, G J P, Palumbi, S R) **357,** 153
Mitogenesis. Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca^{2+} flux but not mitogenesis, *Letter to Nature*, (Peters, K G, Marie, J, Wilson, E, Ives, H E, Escobedo, J, Del Rosario, M, Mirda, D, Williams, L T) **358,** 678
Point mutation in FGF receptor eliminates phosphatidylinositol hydrolysis without affecting mitogenesis, *Letter to Nature*, (Mohammadi, M, Dionne, C A, Li, W, Li, N, Spivak, T, Honegger, A M, Jaye, M, Schlessinger, J) **358,** 681
Mitosis. Regulation of $p34^{CDC28}$ tyrosine phosphorylation is not required for entry into mitosis in *S. cerevisiae*, *Letter to Nature*, (Amon, A, Surana, U, Muroff, I, Nasmyth, K) **355,** 368
The *wee1* protein kinase is required for radiation-induced mitotic delay, *Letter to Nature*, (Rowley, R, Hudson, J, Young, P G) **356,** 353
Kinesin-related cut7 protein associates with mitotic and meiotic spindles in fission yeast, *Letter to Nature*, (Hagan, I, Yanagida, M) **356,** 74
Loss of gene function through rapid mitotic cycles in the *Drosophila* embryo, *Letter to Nature*, (Rothe, M, Pehl, M, Taubert, H, Jäckle, H) **359,** 156
S-phase feedback control in budding yeast independent of tyrosine phosphorylation of $p34^{CDC28}$, *Letter to Nature*, (Sorger, P K, Murray, A W) **355,** 365
Cell biology: Centrosome and cell division, *News and views*, (Bailly, E, Bornens, M) **355,** 300
Moas. Relative differences, *News and views*, **359,** 363
Molecular biology. EMBL director quits after long fight over expansion, *News*, (Abbott, A) **358,** 267
Shuttling of pre-mRNA binding proteins between nucleus and cytoplasm, *Letters to Nature*, (Piñol-Roma, S, Dreyfuss, G) **355,** 730
The *C. elegans* genome sequencing project: a beginning, *Article*, (Sulston, J, Du, Z, Thomas, K, Hillier, L, Staden, R, Halloran, N, Green, P, Thierry-Mieg, J, Qiu, L, Dear, S, Coulson, A, Craxton, M, Durbin, R, Berks, M, Metzstein, M, Hawkins, T, Ainscough, R, Waterston, R, Wilson, R) **356,** 37
Long-range correlations in nucleotide sequences, *Letter to Nature*, (Peng, C-K, Buldyrev, S V, Goldberger, A L, Havlin, S, Sciortino, F, Simons, M, Stanley, H E) **356,** 168
Structure and expression of a human oxytocin receptor, *Letter to Nature*, (Kimura, T, Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) **356,** 526
Molecular cloning and expression of a rat V1a arginine vasopressin receptor, *Letter to Nature*, (Morel, A, O'Carroll, A-M, Brownstein, M J, Lolait, S J) **356,** 523
SEC65 gene product is a subunit of the yeast signal recognition particle required for its integrity, *Letter to Nature*, (Hann, B C, Stirling, C J, Walter, P) **356,** 532
The *S. cerevisiae SEC65* gene encodes a component of yeast signal recognition particle with homology to human SRP19, *Letter to Nature*, (Stirling, C J, Hewitt, E W) **356,** 534
Defining science, *Correspondence*, (Khandekar, J D) **356,** 653
Functional contacts of a transfer RNA synthetase with 2'-hydroxyl groups in the RNA minor groove, *Letter to Nature*, (Musier-Forsyth, K, Schimmel, P) **357,** 513
Gustducin is a taste-cell-specific G protein closely related to the transducins, *Article*, (McLaughlin, S K, McKinnon, P J, Margolskee, R F) **357,** 563
Gene manipulation on plastic plates, *Product review*, (Mitsuhashi, M, Keller, C, Akitaya, T) **357,** 519
Science popularity stakes, *Correspondence*, (Kaper, J M) **357,** 531
Proteins: One thousand families for the molecular biologist, *News and views*, (Chothia, C) **357,** 543
RNA substrate binding site in the catalytic core of the *Tetrahymena* ribozyme, *Article*, (Pyle, A M, Murphy, F L, Cech, T R) **358,** 123
Long-range correlations within DNA, *News and views*, (Maddox, J) **358,** 103
Molecular biology: *Chlamydomonas* surrenders, *News and views*, (VanWinkle-Swift, K P) **358,** 106
Retinoblastoma gene product activates expression of the human *TGF-ß2* gene through transcription factor ATF-2, *Letter to Nature*, (Kim, S-J, Wagner, S, Liu, F, O'Reilly, M A, Robbins, P D, Green, M R) **358,** 331
Molecular cloning of cDNAs encoding a guanine-nucleotide-releasing factor for Ras p21, *Letter to Nature*, (Shou, C, Farnsworth, C L, Neel, B G, Feig, L A) **358,** 351
Nuclear localization and signalling activity of phosphoinositidase C$_\delta$ in Swiss 3T3 cells, *Letter to Nature*, (Martelli, A M, Gilmour, R S, Bertagnolo, V, Neri, L M, Manzoli, L, Cocco, L) **358,** 242
Signal transduction: Exchange rate mechanisms, *News and views*, (Downward, J) **358,** 282
What's in a genome?, *Scientific correspondence*, (Bork, P, Ouzounis, C, Sander, C, Scharf, M, Schneider, R, Sonnhammer, E) **358,** 287
Phosphorylation of transcription factor $p62^{TCF}$ by MAP kinase stimulates ternary complex formation at *c-fos* promoter, *Letter to Nature*, (Gille, H, Sharrocks, A D, Shaw, P E) **358,** 414

Raf-1 activates MAP kinase-kinase. *Letter to Nature*, (Kyriakis, J M, App, H, Zhang, X-f, Banerjee, P, Brautigan, D L, Rapp, U R, Avruch, J) **358,** 417

Specific binding of the transcription factor sigma-54 to promoter DNA. *Letter to Nature*, (Buck, M, Cannon, W) **358,** 422

Different ß-subunits determine G-protein interaction with transmembrane receptors. *Letter to Nature*, (Kleuss, C, Scherübl, H, Hescheler, J, Schultz, G, Wittig, B) **358,** 424

G proteins: The subunit story thickens. *News and views*, (Lefkowitz, R J) **358,** 372

A new approach to protein fold recognition. *Letter to Nature*, (Jones, D T, Taylor, W R, Thornton, J M) **358,** 86

Platelet-derived growth factor stimulates synthesis of PtdIns(3,4,5)P, by activating a PtdIns(4,5)P, 3-OH kinase. *Letter to Nature*, (Hawkins, P T, Jackson, T R, Stephens, L R) **358,** 157

Prediction of the structure of a receptor-protein complex using a binary docking method. *Letter to Nature*, (Stoddard, B L, Koshland Jr, D E) **358,** 774

Progress by poisoning. *News and views*, (Cutler, D) **359,** 773

Law of mass action. *Correspondence*, (Segel, L, Tyson, J J) **357,** 106

Transcription: The tell-tail trigger. *News and views*, (Peterson, M G, Tjian, R) **358,** 620

Exocytotic fusion is activated by Rab3a peptides. *Letter to Nature*, (Oberhauser, A F, Monck, J R, Balch, W E, Fernandez, J M) **360,** 271

Molecular identification of the gene responsible for congenital nephrogenic diabetes insipidus. *Letter to Nature*, (Rosenthal, W, Seibold, A, Antaramian, A, Lonergan, M, Arthus, M-F, Hendy, G N, Birnbaumer, M, Bichet, D G) **359,** 233

Crystal structure of the *met* repressor-operator complex at 2.8Å resolution reveals DNA recognition by ß-strands. *Article*, (Somers, W S, Phillips, S E V) **359,** 387

Transcriptional activation by the human c-Myc oncoprotein in yeast requires interaction with Max. *Letter to Nature*, (Amati, B, Dalton, S, Brooks, M W, Littlewood, T D, Evan, G I, Land, H) **359,** 423

Probing *met* repressor-operator recognition in solution. *Letter to Nature*, (He, Y-Y, McNally, T, Manfield, I, Navratil, O, Old, I G, Phillips, S E V, Saint-Girons, I, Stockley, P G) **359,** 431

PCR: Methods and applications. *Journal review*, (Sarkar, G, Cuddihy, J, Bentley, D, Gibbs, R, Green, E, Myers, R) **359,** 447

Identification of an amino acid-base contact in the GCN4-DNA complex by bromouracil-mediated photocrosslinking. *Letter to Nature*, (Blatter, E E, Ebright, Y W, Ebright, R H) **359,** 650

Phosphorylation of the *S. cerevisiae* Cdc25 in response to glucose results in its dissociation from Ras. *Letter to Nature*, (Gross, E, Goldberg, D, Levitzki, A) **360,** 762

Is molecular biology yet a science?. *News and views*, (Maddox, J) **355,** 201

Molecular chaperones. Is yeast TCP1 a chaperonin?. *Scientific correspondence*, (Ursic, D, Culbertson, M R) **356,** 392

Heat shock in *Escherichia coli* alters the protein-binding properties of the chaperonin groEL by inducing its phosphorylation. *Letter to Nature*, (Sherman, M Y, Goldberg, A L) **357,** 167

Protein folding: Cytosolic chaperonin confirmed. *News and views*, (Ellis, J) **358,** 191

TCP1 complex is a molecular chaperone in tubulin biogenesis. *Letter to Nature*, (Yaffe, M B, Farr, G W, Miklos, D, Horwich, A L, Sternlicht, M L, Sternlicht, H) **358,** 245

T-complex polypeptide-1 is a subunit of heteromeric particle in the eukaryotic cytosol. *Letter to Nature*, (Lewis, V A, Hynes, G M, Zheng, D, Saibil, H, Willison, K) **358,** 249

What is a chaperonin?. *Scientific correspondence*, (Hemmingsen, S M) **357,** 650

Chaperones classified. *Scientific correspondence*, (Webb, R, Sherman, L A) **359,** 485

Molecular clouds. Extreme gas pressures in the galactic bulge. *Letter to Nature*, (Spergel, D N, Blitz, L) **357,** 665

Galactic centre: Hard-pressed molecular clouds. *News and views*, (Morris, M) **357,** 640

CH^+ in the Red Rectangle. *Scientific correspondence*, (Hall, D I, Miles, J R, Sarre, P J, Fossey, S J) **358,** 629

Astronomy: Phoenix galaxies. *News and views*, (Hernquist, L) **360,** 105

The formation of binary and multiple star systems. *Article*, (Chapman, S, Pongracic, H, Disney, M, Nelson, A, Turner, J, Whitworth, A) **359,** 207

Molecular computing. Spectroscopy: Molecular computer memory. *News and views*, (Haarer, D) **355,** 297

Molecular dissociation. Energy transfer and vibrational effects in the dissociation and scattering of D, from Cu(111). *Letter to Nature*, (Hodgson, A, Moryl, J, Traversaro, P, Zhao, H) **356,** 501

Surface chemistry: Making and breaking bonds. *News and views*, (Kleyn, A W) **356,** 477

Molecular electronics. Molecular electronics: Tunable polymer diodes. *News and views*, (Bloor, D) **356,** 19

Improved second-harmonic generation from Langmuir-Blodgett films of hemicyanine dyes. *Letter to Nature*, (Ashwell, G J, Hargreaves, R C, Baldwin, C E, Bahra, G S, Brown, C R) **357,** 393

Flexible light-emitting diodes made from soluble conducting polymers. *Letter to Nature*, (Gustafsson, G, Cao, Y, Treacy, G M, Klavetter, F, Colaneri, N, Heeger, A J) **357,** 477

Optical materials: Fresh start for photonics. *News and views*, (Dalton, L R) **359,** 269

Excited-state enhancement of optical nonlinearities in linear conjugated molecules. *Letter to Nature*, (Rodenberger, D C, Heflin, J R, Garito, A F) **359,** 309

Molecular evolution. Unusual *HLA-B* alleles in two tribes of Brazilian Indians. *Letter to Nature*, (Belich, M P, Madrigal, J A, Hildebrand, W H, Zemmour, J, Williams, R C, Luz, R, Petzl-Erler, M L, Parham, P) **357,** 326

New recombinant *HLA-B* alleles in a tribe of South American Amerindians indicate rapid evolution of MHC class I loci. *Letter to Nature*, (Watkins, D I, McAdam, S N, Liu, X, Strang, C R, Milford, E L, Levine, C G, Garber, T L, Dogon, A L, Lord, C I, Ghim, S H, Troup, G M, Hughes, A L, Letvin, N L) **357,** 329

Molecular genetics: Fast forward in the MHC. *News and views*, (Howard, J) **357,** 284

The causes of molecular evolution. *Book review by* Eanes, W F. **359,** 116

Molecular machines. Cellular biophysics: Proteins as machines. *News and views*, (Pollard, T D) **355,** 17

Molecular magnets. Future attractions. *News and views*, **359,** 590

Molecular phylogenetics. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes. *Letter to Nature*, (Palenik, B, Haselkorn, R) **355,** 265

Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation. *Letter to Nature*, (Urbach, E, Robertson, D L, Chisholm, S W) **355,** 267

Molecular phylogenetics. Neutral terms. *Scientific correspondence*, (Forterre, P) **355,** 305

Molecular replication. Molecular replication. *Review article*, (Orgel, L E) **358,** 203

Molecular sieves. Ordered mesoporous molecular sieves synthesized by a liquid-crystal template mechanism. *Letter to Nature*, (Kresge, C T, Leonowicz, M E, Roth, W J, Vartuli, J C, Beck, J S) **359,** 710

Silicon sieve. *News and views*, **355,** 681

Molecular transduction. Molecular transduction: Do the ear's links link?. *News and views*, (Ashmore, J, Evans, M) **356,** 111

Monoclonal antibodies. Antibodies from libraries. *Scientific correspondence*, (Burton, D R, Barbas, C F III) **359,** 782

Monotremes. First discovery of monotremes in South America. *Letter to Nature*, (Pascual, R, Archer, M, Jaureguizar, E O, Prado, J L, Godthelp, H, Hand, S J) **356,** 704

Monsoons. Sensitivity of the Indian monsoon to forcing parameters and implications for its evolution. *Article*, (Prell, W L, Kutzbach, J E) **360,** 647

Moon. Lunar sourcebook: A user's guide to the Moon. *Book review by* Turner, G. **358,** 293

CERN blames full moon for LEP problems. *News*, (Abbott, A, Pease, R) **360,** 400

Mosquitoes. Selfish genes in mosquitoes. *Scientific correspondence*, (Curtis, C F) **357,** 450

Tuned into good vibrations. *News and views*, (Taliack, P) **360,** 21

Moths. Japanese moth collection lands in London. *News*, (Mundell, J) **359,** 468

Motion perception. Spatial filtering precedes motion detection. *Letter to Nature*, (Morgan, M J) **355,** 344

Motion sickness. Motion sickness. *Correspondence*, (Gorski, T) **355,** 195

Motor neuron disease. Ciliary neurotrophic factor prevents degeneration of motor neurons in mouse mutant progressive motor neuronopathy. *Letter to Nature*, (Sendtner, M, Schmalbruch, H, Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H) **358,** 502

Motor neuron diseases: High hopes of a trophic factor. *News and views*, (Oppenheim, R W) **358,** 451

Motor neuron disease model. *Scientific correspondence*, (Vrbová, G, Greensmith, L, Sieradzan, K) **360,** 216

Motor neurons. More on motor neurons. *Scientific correspondence*, (Sendtner, M, Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H, Schmalbruch, H) **360,** 541

Motor proteins. Cell biology: Every motion has its motor. *News and views*, (Gelfand, V I, Scholey, J M) **359,** 480

Microtubule-motor activity of a yeast centromere-binding protein complex. *Letter to Nature*, (Hyman, A A, Middleton, K, Centola, M., Mitchison, T J, Carbon, J) **359,** 533

CENP-E is a putative kinetochore motor that accumulates just before mitosis. *Letter to Nature*, (Yen, T J, Li, G, Schaar, B T, Szilak, I, Cleveland, D W) **359,** 536

Mitotic spindle organization by a plus-end-directed microtubule motor. *Letter to Nature*, (Sawin, K E, LeGuellec, K, Philippe, M, Mitchison, T J) **359,** 540

A plus-end-directed motor enzyme that moves antiparallel microtubules *in vitro* localizes to the interzone of mitotic spindles. *Letter to Nature*, (Nislow, C, Lombillo, V A, Kuriyama, R, McIntosh, J R) **359,** 543

Mount Etna. Mount Etna CO_2 may affect climate. *Scientific correspondence*, (Caldeira, K, Rampino, M R) **355,** 401

Importance of gravitational spreading in the tectonic and volcanic evolution of Mount Etna. *Letter to Nature*, (Borgia, A, Ferrari, L, Pasquarè, G) **357,** 231

Volcanoes: You can pile it only so high. *News and views*, (Delaney, P T) **357,** 194

Mount Kenya, glaciers. Greenhouse indicators in Kenya. *Scientific correspondence*, (Hastenrath, S, Kruss, P D) **355,** 503

Mount Pinatubo. A basalt trigger for the 1991 eruptions of Pinatubo volcano?. *Letter to Nature*, (Pallister, J S, Hoblitt, R P, Reyes, A G) **356,** 426

Mount St Helens. Curved saplings at Mt St Helens. *Scientific correspondence*, (Yamaguchi, D K, Waitt, R B) **357,** 449

Curved saplings at Mount St Helens. *Scientific correspondence*, (Bursik, M I, Woods, A W) **355,** 594

Mount Unzen, eruption. Mount Unzen rumbles on. *Scientific correspondence*, (Fink, J) **357,** 119

Mountain uplift. Ice Ages: An uplifting experience. *News and views*, (Rind, D) **360,** 414

Mouse development. Homeotic transformation of the occipital bones of the skull by ectopic expression of a homeobox gene. *Letter to Nature*, (Lufkin, T, Mark, M, Hart, C P, Dollé, P, LeMeur, M, Chambon, P) **359,** 835

Mouse genetics. Cystic fibrosis: A welcome animal model. *News and views*, (Collins, F S, Wilson, J M) **358,** 708

Mucopolysaccharidosis. Reversal of pathology in murine mucopolysaccharidosis type VII by somatic cell gene transfer. *Letter to Nature*, (Wolfe, J H, Sands, M S, Barker, J E, Gwynn, B, Rowe, L B, Vogler, C A, Birkenmeier, E H) **360,** 749

Multiple sclerosis. Prevention of experimental autoimmune encephalomyelitis by antibodies against α4ß1 integrin. *Letter to Nature*, (Yednock, E A, Cannon, C, Fritz, L C, Sanchez-Madrid, F, Steinman, L, Karin, N) **356,** 63

Mummification. Archaeology: The making of a mummy. *News and views*, (Bahn, P G) **356,** 109

Muscle contraction. Myosin head movements are synchronous with the elementary force-generating process in muscle. *Letter to Nature*, (Irving, M, Lombardi, V, Piazzesi, G, Ferenczi, M A) **357,** 156

Myosin head movements are synchronous with the elementary force-generating process in muscle: Erratum. *Letter to Nature*, (Irving, M, Lombardi, V, Piazzesi, G, Ferenczi, M A) **357,** 704

Muscle: A fine time for contractual alterations. *News and views*, (Huxley, A) **357,** 110

Rapid regeneration of the actin-myosin power stroke in contracting muscle. *Letter to Nature*, **355,** 638

Muscle physiology. Mechanical performance of scallop adductor muscle during swimming. *Letter to Nature*, (Marsh, R L, Olson, J M, Guzik, S K) **357,** 411

Physiology: The work that muscles can do. *News and views*, (McNeill Alexander, R) **357,** 360

In a twist. *News and views*, **355,** 398

Muscle proteins. *Trembler* mouse carries a point mutation in a myelin gene. *Letter to Nature*, (Suter, U, Welcher, A A, Özcelik, T, Snipes, G J, Kosaras, B, Francke, U, Billings-Gagliardi, S, Sidman, R L, Shooter, E M) **356,** 241

Skeletal skeleton. *News and views*, **358,** 281

Muscle. Function of a truncated dihydropyridine receptor as both voltage sensor and calcium channel. *Letter to Nature*, (Beam, K G, Adams, B A, Niidome, T, Numa, S, Tanabe, T) **360,** 169

Requirement of phosphatidylinositol 4,5-bisphosphate for α-actinin function. *Letter to Nature*, (Fukami, K, Furuhashi, K, Inagaki, M, Endo, T, Hatano, S, Takenawa, T) **359,** 150

Muscle development: Running without regulators. *News and views*, (Hughes, S M) **360,** 536

Muscular dystrophy. Dystrophin mRNA in lyophilized tissue. *Scientific correspondence*, (Anderson, M S, Kunkel, L M, Khurana, T S) **355,** 778

Getting the point. *News and views*, **356,** 288

Deficiency of the 50K dystrophin-associated glycoprotein in severe childhood autosomal recessive muscular dystrophy. *Letter to Nature*, (Matsumura, K, Tomé, F M S, Collin, H, Azibi, K, Chaouch, M, Kaplan, J-C, Fardeau, M, Campbell, K P) **359,** 320

Association of dystrophin-related protein with dystrophin-associated proteins in *mdx* mouse muscle. *Letter to Nature*, (Matsumura, K, Ervasti, J M, Ohlendieck, K, Kahl, S D, Campbell, K P) **360,** 588

Primary structure of dystrophin-related protein. *Letter to Nature*, (Tinsley, J M, Blake, D J, Roche, A, Fairbrother, U, Riss, J, Byth, B C, Knight, A E, Kendrick-Jones, J, Suthers, G K, Love, D R, Edwards, Y H, Davies, K E) **360,** 591

Mushrooms. Food of the Gods: The Search for the Original Tree of Knowledge. *Book review by* Huxtable, R J. **356,** 635

Music. Pulsars to star in forthcoming UK music festival. *News*, (Pease, R) **360,** 96

Mutagenesis. Halogen lamp carcinogenicity. *Scientific correspondence*, (De Flora, S, D'Agostini, F) **356,** 569

APC mutations. *Scientific correspondence*, (Gordon, A) **358,** 288

Molecular biology: recA: from locus to lattice. *News and views*, (McEntee, K) **355,** 302

Mutation rates. The genomic mutation rate for fitness in *Drosophila*. *Letter to Nature*, (Houle, D, Hoffmaster, D K, Assimacopoulos, S, Charlesworth, B) **359,** 58

Mutation, cell. Experimental evidence for an alternative to directed mutation in the *bgl* operon. *Letter to Nature*, (Mittler, J E, Lenski, R E) **356,** 446

Mutation, radiation-induced. Chromosomal instability. *Scientific correspondence*, (Sabatier, L, Dutrillaux, B, Martin, M B) **357,** 548

Mutations. MutT protein specifically hydrolyses a potent mutagenic substrate for DNA synthesis. *Letter to Nature*, (Maki, H, Sekiguchi, M) **355,** 273

Mya arenaria. Clams before Columbus?, *Scientific correspondence*, (Petersen, K S, Rasmussen, K L, Heinemeier, J, Rud, N) **359,** 679

Myc protein. Transcriptional activation by the human c-Myc oncoprotein in yeast requires interaction with Max, *Letter to Nature*, (Amati, B, Dalton, S, Brooks, M W, Littlewood, T D, Evan, G I, Land, H) **359,** 423

Myc and Max proteins possess distinct transcriptional activities, *Letter to Nature*, (Kretzner, L, Blackwood, E M, Eisenman, R N) **359,** 426

Mycobacterium tuberculosis. Drug-resistant TB may bring epidemic, *News and views*, (Culliton, B J) **356,** 473

The catalase-peroxidase gene and isoniazid resistance of *Mycobacterium tuberculosis*, *Letter to Nature*, (Zhang, Y, Heym, B, Allen, B, Young, D, Cole, S) **358,** 591

Mycology. Grave guardians with a difference, *News and views*, (Pease, R) **358,** 711

Oak tree mortality in Iberia, *Scientific correspondence*, (Brasier, C M) **360,** 539

Myelin. *Trembler* mouse carries a point mutation in a myelin gene, *Letter to Nature*, (Suter, U, Welcher, A A, Özcelik, T, Snipes, G J, Kosaras, B, Francke, U, Billings-Gagliardi, S, Sidman, R L, Shooter, E M) **356,** 241

Myelination. Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene, *Letter to Nature*, (Schneider, A, Montague, P, Griffiths, I, Fanarraga, M, Kennedy, P, Brophy, P, Nave, K-A) **358,** 758

Myocardial infarction. Myocardial infarction: The ACE of hearts, *News and views*, (Kurtz, T W) **359,** 588

Deletion polymorphism in the gene for angiotensin-converting enzyme is a potent risk factor for myocardial infarction, *Letter to Nature*, (Cambien, F, Poirier, O, Lecerf, L, Evans, A, Cambou, J-P, Arveiler, D, Luc, G, Bard, J-M, Bara, L, Ricard, S, Tiret, L, Amouyel, P, Alhenc-Gelas, F, Soubrier, F) **359,** 641

Myosin. Suppression of a myosin defect by a kinesin-related gene, *Letter to Nature*, (Lillie, S H, Brown, S S) **356,** 358

Myosin head movements are synchronous with the elementary force-generating process in muscle, *Letter to Nature*, (Irving, M, Lombardi, V, Piazzesi, G, Ferenczi, M A) **357,** 156

Myosin head movements are synchronous with the elementary force-generating process in muscle: Erratum, *Letter to Nature*, (Irving, M, Lombardi, V, Piazzesi, G, Ferenczi, M A) **357,** 704

Patterns of elevated free calcium and calmodulin activation in living cells, *Letter to Nature*, (Hahn, K, DeBiasio, R, Lansing Taylor, D) **359,** 736

Muscle: A fine time for contractual alterations, *News and views*, (Huxley, A) **357,** 110

In a twist, *News and views*, **355,** 398

Myotonic dystrophy. Melodrama in research publication, *News and views*, (Maddox, J) **355,** 767

Expansion of an unstable CNA region and phenotypic variation in myotonic dystrophy, *Letter to Nature*, **355,** 545

Detection of an unstable fragment of DNA specific to individuals with myotonic dystrophy, *Letter to Nature*, **355,** 547

Cloning of the essential myotonic dystrophy region and mapping of the putative defect, *Letter to nature*, **355,** 548

Mytilus. Direct evidence for extensive paternal mitochondrial DNA inheritance in the marine mussel *Mytilus*, *Letter to Nature*, (Zouros, E, Freeman, K R, Oberhauser Ball, A, Pogson, G H) **359,** 412

Nanophase materials. Densification of nanostructured titania assisted by a phase transformation, *Letter to Nature*, (Kumar, K-N P, Keizer, K, Burggraaf, A J, Okubo, T, Nagamoto, H, Morooka, S) **358,** 48

Materials science: Nanostructures come of age, *News and views*, (Cahn, R W) **359,** 591

Single-electron transfer in metallic nanostructures, *Review article*, (Devoret, M H, Esteve, D, Urbina, C) **360,** 547

Very small plans, *News*, (Swinbanks, D) **360,** 500

Nanotechnology. Science at an atomic scale, *Miscellany*, (Ball, P, Garwin, L) **355,** 761

Nano-battery, *News and views*, **358,** 715

NASA. Healy attacks NASA's claims: bad news for research budgets, *News*, (Mervis, J) **358,** 441

NASA on a tether, *Opinion*, **358,** 526

NASA's problems in space eat into time for research, *News*, (Mundell, I) **358,** 529

NASA carves up science programme, *News*, (Lawler, A) **359,** 659

High time for the circuses to stop, *Opinion*, **358,** 609

NASA ponders "faster, cheaper" way to send scientific mission to Pluto, *News*, (Reichhardt, T) **358,** 701

Big projects eat up NASA's future budgets, *News*, (Anderson, C) **359,** 179

NASA on a tether, *Correspondence*, (Colles, W M) **359,** 472

NASA researchers fear crackdown after security lapse, *News*, (Anderson, C) **360,** 289

Missing the Moon, *Correspondence*, (Moomaw, B) **360,** 291

Freedom to explore, *Correspondence*, (Phillips, R W) **360,** 484

Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662

Hanging out for the hypersonic plane, *Commentary*, (Handberg, R, Johnson-Freese, J, Webb, D C) **355,** 491

Sharing out NASA's spoils, *Commentary*, (Bezdek, R H, Wending, R M) **355,** 105

Space science: Smaller, cheaper, leaner, *News*, (Anderson, C) **355,** 7

US science budget: Seven per cent solution: too good to be true, *News*, (Anderson, C, Lindley, D, Gershon, D) **355,** 486

Space research: NASA chief sacked, *News*, (Anderson, C) **355,** 665

Nation evolution. National pride, *Correspondence*, (Baidins, A) **357,** 105

National Academy of Science, Russia. Russian academy institutes told to set priorities, *News*, (Pokrowsky, V) **360,** 198

National Academy of Sciences, US. Academy's letter to Russian raises issue of political views, *News*, (Mundell, I) **358,** 442

Alberts emphasizes education as nominee to head NAS, *News*, (Mervis, J) **359,** 264

Saving the world, *Opinion*, **355,** 752

National Academy/Royal Society: Warning on population growth, *News*, (Maddox, J) **355,** 759

National Institute of Health, Japan. Japanese open infectious disease lab despite local and national protests, *News*, (Swinbanks, D) **358,** 703

National Institutes of Health, US. Watson resigns, genome project open to change, *News*, (Anderson, C) **356,** 549

NIH forms policy centre to study research ethics, *News*, (Mervis, J) **356,** 367

US genome head faces charges of conflict, *News*, (Anderson, C) **356,** 463

Healy in a hurry, *Opinion*, **356,** 547

NIH report vindicates Gallo on conduct of AIDS research, *News*, (Culliton, B J) **357,** 3

OSI finds Popovic guilty on *Science* paper, *News*, (Culliton, B J) **357,** 3

The OSI on Crewdson on Gallo, *News*, (Culliton, B J) **357,** 4

Congress compromises on rules governing NIH policies, *News*, (Anderson, C) **357,** 267

Mistaken view, *Correspondence*, (Wise, S P) **358,** 272

Robert Gallo forced off NIH stage after HHS vetoes public briefing, *News*, (Culliton, B J) **358,** 3

NIH makes room for the unconventional after Congress mandates new programme, *News*, (Mervis, J) **358,** 5

A strategy tinged with chauvinism, *Opinion*, **358,** 355

NIH, under fire, freezes grant for conference on genetics and crime, *News*, (Anderson, C) **358,** 357

Racial tensions entangle NIH in dispute over AIDS drug, *News*, (Anderson, C) **359,** 660

US university told to reveal unfunded NIH application, *News*, (Anderson, C) **359,** 98

Genetics-and-crime conference cancelled in clash with NIH, *News*, (Anderson, C) **359,** 98

NIH labours to maintain excellence despite tight budget and staffing, *News*, (Culliton, B J, Anderson, C) **359,** 183

Job prospects are better than ever (but were never as bad as made out), *News*, (Anderson, C) **359,** 184

NIH looks inward and outside for ways to help minorities, *News*, (Mervis, J) **359,** 186

Transfer of technology is booming business as NIH asks companies to help themselves, *News*, (Gershon, D) **359,** 187

Gene therapy research is spread across many disciplines and institutes at NIH, *News*, (Watson, T) **359,** 188

NIH and Army meet on breast cancer windfall, *News*, (Watson, T) **359,** 764

Diet and breast cancer, *Opinion*, **359,** 760

Research priorities: Healy attacks US budgeting system, *News*, (Mervis, J) **356,** 555

NIH to help women return to research, *News*, (Watson, T) **359,** 189

Hughes woos future MDs by offering space at bench, *News*, (Watson, T) **359,** 190

NIH cDNA patent rejected: backers want to amend law, *News*, (Anderson, C) **359,** 263

Genetic influence, *Correspondence*, (Wasserman, D) **359,** 266

Gene wars escalate as US official battles NIH over pursuit of patent, *News*, (Anderson, C) **359,** 467

His father's Oldsmobile, *Opinion*, **360,** 284

Computer policy: NIH wasted millions on computers, *News*, (Culliton, B J) **355,** 194

Battle lines form over fetal tissue research, *News*, (Anderson, C) **355,** 189

NIH's first strategic plan debated, *Opinion*, **355,** 573

US science budget: Seven per cent solution: too good to be true, *News*, (Anderson, C, Lindley, D, Gershon, D) **355,** 486

Scientific misconduct: NIH staffer finds warm reception on other side, *News*, (Anderson, C) **355,** 98

National laboratories, US. Sandia looks for a company that will put research before profits, *News*, (Anderson, C) **357,** 349

Audit faults US national labs, *News*, (Watson, T) **358,** 177

Agencies told to transfer technology - or else, *News*, (Anderson, C) **359,** 350

National patrimony. If biological diversity has a price, who sets it and who should benefit?, *News*, (Gershon, D) **359,** 565

National Research Council, Canada. Canadian research council found guilty of job bias, *News*, (Spurgeon, D) **359,** 95

Canada apologizes to physicist, *News*, (Spurgeon, D) **359,** 353

National Science Foundation, US. Panel trims NSF budget, *News*, (Mervis, J) **358,** 5

NSF drops flat-rate plan for grants in mathematics, *News*, (Mervis, J) **359,** 661

NSF's proposed conflict-of-interest rules place burden on applicant and institution, *News*, (Anderson, C) **358,** 700

NSF Commission affirms importance of basic research, *News*, (Watson, T) **360,** 98

Women in science, *Opinion*, **359,** 92

NSF will experiment with fixed budgets in an effort to simplify grants process, *News*, (Mervis, J) **359,** 94

His father's Oldsmobile, *Opinion*, **360,** 284

NSF gets a pat on the back in report suggesting stronger industrial ties, *News*, (Mervis, J) **360,** 285

Computer networks: NSF pays price for success, *News*, (Anderson, C) **356,** 551

Lost numbers game, *Opinion*, **356,** 548

Scope and speed of NSF commission is criticized, *News*, (Mervis, J) **359,** 767

NSF opens up long-range plan to public comments, *News*, (Anderson, C) **358,** 611

NSF unmoved by politics of relocation, *News*, (Anderson, C) **358,** 612

First meeting of commission gives Massey a boost in plotting viable future for NSF, *News*, (Mervis, J) **359,** 261

US science budget: Seven per cent solution: too good to be true, *News*, (Anderson, C, Lindley, D, Gershon, D) **355,** 486

Human resources: NSF falls short on shortage, *News*, (Mervis, J) **356,** 553

NSF stance on 'skills shortage', *Correspondence*, (Masey, W E) **357,** 433

Nationalism. Beyond the nation-state, *Correspondence*, (Crawford, I A) **358,** 448

Natural gas, leakage. Natural gas, *Correspondence*, (Sammer, J) **359,** 100

Indirect chemical effects of methane on climate warming, *Letter to Nature*, (Lelieveld, J, Crutzen, P J) **355,** 339

Leaking gas and greenhouse, *Correspondence*, (Herbert, R) **355,** 196

Natural hazards. Natural hazards, *Book review by* Perry, A H. **356,** 119

Natural killer cells. MHC class I alloantigen specificity of Ly-49$^+$ IL-2-activated natural killer cells, *Letter to Nature*, (Karlhofer, F M, Ribaudo, R K, Yokoyama, W M) **358,** 66

Natural selection. Natural selection, *Correspondence*, (Lindh, A G) **358,** 272

Natural selection: In the pink (and yellow), *News and views*, (Greenwood, J J D) **357,** 192

Human evolution: Diabetes running wild, *News and views*, (Diamond, J M) **357,** 362

Kiwi's egg, *Scientific correspondence*, (Morgan, E) **355,** 401

***Nature*, in Japan.** Nature's roots in Japan, *News*, **359,** 573

Nazca lines. Archaeology: Under the skin of Nazca, *News and views*, (Bray, W) **358,** 19

Neanderthals. Neanderthal dates debated, *Scientific correspondence*, (Wolpoff, M H, Frayer, D W) **356,** 200

Neanderthal dates debated: Reply, *Scientific correspondence*, (Stringer, C) **356,** 201

Nebulae, supernova 1987A. Dynamical development of a ring-like structure in the supernova 1987A nebula, *Letter to Nature*, (Wang, L, Mazzali, P A) **355,** 58

Nematodes. Activation of *C. elegans Antennapedia* homologue in migrating cells controls their direction of migration, *Letter to Nature*, (Salser, S J, Kenyon, C) **355,** 255

Neo-Impressionism. Paul Signac and color in neo-impressionism, *Book review by* Mollon, J D. **358,** 379

Nephrogenic diabetes. Nature Genetics: Diabetes defect defined, *News and views*, (Davies, K) **359,** 434

Diabetes defect defined, *Miscellany*, (Davies, K) **359,** 434

Nephrology. Natural inhibitor of transforming growth factor-ß protects against scarring in experimental kidney disease, *Letter to Nature*, (Border, W A, Noble, N A, Yamamoto, T, Harper, J R, Yamaguchi, Y, Pierschbacher, M D, Ruoslahti, E) **360,** 361

Nerve growth factor. Motor neuron diseases: High hopes of a trophic factor, *News and views*, (Oppenheim, R W) **358,** 451

Motor neuron disease model, *Scientific correspondence*, (Vrbová, G, Greensmith, L, Sieradzan, K) **360,** 216

More on motor neurons, *Scientific correspondence*, (Sendtner, M, Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H, Schmalbruch, H) **360,** 541

Nerve injury. Peripheral nerve injury triggers central sprouting of myelinated afferents, *Letter to Nature*, (Woolf, C J, Shortland, P, Coggeshall, R E) **355,** 75

Nervous system, patterning. Zebrafish *pax[b]* is involved in the formation of the midbrain-hindbrain boundary, *Letter to Nature*, (Krauss, S, Maden, M, Holder, N, Wilson, S W) **360,** 87

Netherlands, research institutes. Dutch win a reprieve over threatened lab closing, *News*, (Abbott, A) **360,** 402

Neural cell adhesion molecule. The VASE exon downregulates the neurite growth-promoting activity of NCAM 140, *Letter to Nature*, (Doherty, P, Moolenaar, C E C K, Ashton, S V, Michalides, R J A M, Walsh, F S) **356,** 791

Neural images. Real and optimal neural images in early vision, *Letter to Nature*, (van Hateren, J H) **360,** 68

Neural networks. Neural networks: Learning from your neighbour, *News and views*, (Mitchison, G, Durbin, R) **355,** 112

Self-organizing neural network that discovers surfaces in random-dot stereograms, *Letter to Nature*, (Becker, S, Hinton, G E) **355,** 161

Neural networks and olive oil. *Scientific correspondence,* (Goodacre, R, Kell, D B, Bianchi, G) **359,** 594
Motor learning in a recurrent network model based on the vestibulo-ocular reflex. *Letter to Nature,* (Lisberger, S G, Sejnowski, T J) **360,** 159
Neural Networks for Perception. Vol. 1: Human and Machine Perception. Vol.2: Computation, Learning and Architectures. *Book review by* Sejnowski, T. **360,** 27
Neural networks: Stitch in time saves design. *News and views,* (Judge, S J) **360,** 104
Neural plasticity. Synaptic excitation produces a long-lasting rebound potentiation of inhibitory synaptic signals in cerebellar Purkinje cells. *Letter to Nature,* (Kano, M, Rexhausen, U, Dreessen, J, Konnerth, A) **356,** 601
Neural sciences. Bright air, brilliant fire: On the matter of the mind. *Book review by* Rose, S. **360,** 426
Neural systems. Network: Computation in neural systems. *Journal review,* (Hertz, J A, Amit, D J) **359,** 463
Neurobiology. Developmental regulation of NMDA receptor-mediated synaptic currents at a central synapse. *Letter to Nature,* (Hestrin, S) **357,** 686
Clustering of voltage-dependent sodium channels on axons depends on Schwann cell contact. *Letter to Nature,* (Joe, E-h, Angelides, K) **356,** 333
Spatial structure of cone inputs to receptive fields in primate lateral geniculate nucleus. *Letter to Nature,* (Reid, R C, Shapley, R M) **356,** 716
Actin-dependent organelle movement in squid axoplasm. *Letter to Nature,* (Kuznetsov, S A, Langford, G M, Weiss, D G) **356,** 722
NMDA receptors: On to molecular mechanisms. *News and views,* (Stevens, C F) **358,** 18
Neurobiology: Modules for molecules. *News and views,* (Shepherd, G M) **358,** 457
Peripheral nerve injury triggers central sprouting of myelinated afferents. *Letter to Nature,* (Woolf, C J, Shortland, P, Coggeshall, R E) **355,** 75
Neurodevelopment. Regulation of G1-S transition in postembryonic neuronal precursors by axon ingrowth. *Letter to Nature,* (Selleck, S B, Gonzalez, C, Glover, D M, White, K) **355,** 253
Neurofibromatosis. Aberrant regulation of *ras* proteins in malignant tumour cells from type 1 neurofibromatosis patients. *Letter to Nature,* (Basu, T N, Gutmann, D H, Fletcher, J A, Glover, T W, Collins, F S, Downward, J) **356,** 713
RAS regulation: NF is enough of GAP. *News and views,* (Bellag, G, McCormick, F) **356,** 663
Neurology. Regions involved in the opening of ClC-2 chloride channel by voltage and cell volume. *Letter to Nature,* (Gründer, S, Thiemann, A, Pusch, M, Jentsch, TJ) **360,** 759
Receptive field dynamics in adult primary visual cortex. *Letter to Nature,* (Gilbert, C D, Wiesel, T N) **356,** 150
Pride and a daily marathon. *Book review by* Marshall, J C. **356,** 636
In situ situation. *Correspondence,* (Herrling, P L, Salt, T E) **356,** 470
Prevention of experimental autoimmune encephalomyelitis by antibodies against α4β1 integrin. *Letter to Nature,* (Yednock, E A, Cannon, C, Fritz, L C, Sanchez-Madrid, F, Steinman, L, Karin, N) **356,** 63
The decade of the brain. *Opinion,* **357,** 348
Cost of brain disorders. *Correspondence,* (Bloom, F E, Cowey, A, Faull, R L M, Grahame-Smith, D G, Gray, J A, Hökfelt, T, Iversen, L L, Llinas, R R, Marsden, C D, Purpura, D P, Raff, M C, Smith, A D, Snyder, S H, Somogyi, P) **358,** 184
Ciliary neurotrophic factor prevents degeneration of motor neurons in mouse mutant progressive motor neuronopathy. *Letter to Nature,* (Sendtner, M, Schmalbruch, H, Stöckli, K A, Carroll, P, Kreutzberg, G W, Thoenen, H) **358,** 502
Motor neuron diseases: High hopes of a trophic factor. *News and views,* (Oppenheim, R W) **358,** 451
Optical imaging of epileptiform and functional activity in human cerebral cortex. *Letter to Nature,* (Haglund, M M, Ojemann, G A, Hochman, D W) **358,** 668
Uncoupling of hypomyclination and glial cell death by a mutation in the proteolipid protein gene. *Letter to Nature,* (Schneider, A, Montague, P, Griffiths, I, Fanarraga, M, Kennedy, P, Brophy, P, Nave, K-A) **358,** 758
Degeneration *in vitro* of post-mitotic neurons overexpressing the Alzheimer amyloid protein precursor. *Letter to Nature,* (Yoshikawa, K, Aizawa, T, Hayashi, Y) **359,** 64
Neuropsychology: Drawing upon the mind's eye. *News and views,* (Gurd, J M, Marshall, J C) **359,** 590
Connectivity of chemosensory neurons is controlled by the gene poxn in Drosophila. *Letter to Nature,* (Nottebohm, E, Dambly-Chaudière, C, Ghysen, A) **359,** 829
Absence of aluminium in neuritic plaque cores in Alzheimer's disease. *Letter to Nature,* (Landsberg, J P, McDonald, B, Watt, F) **360,** 65
Real and optimal neural images in early vision. *Letter to Nature,* (van Hateren, J H) **360,** 68
Presynaptic release probability influences the locus of long-term potentiation. *Letter to Nature,* (Larkman, A, Hannay, T, Stratford, K, Jack, J) **360,** 70
Preserved figure-ground segregation and symmetry perception in visual neglect. *Letter to Nature,* (Driver, J, Baylis, G C, Rafal, R D) **360,** 73
Motor learning in a recurrent network model based on the vestibulo-ocular reflex. *Letter to Nature,* (Lisberger, S G, Sejnowski, T J) **360,** 159
A single amino-acid difference confers major pharmacological variation between human and rodent 5-HT$_{1B}$ receptors. *Letter to Nature,* (Oksenberg, D, Marsters, S A, O'Dowd, B F, Jin, H, Havlik, S, Peroutka, S J, Ashkenazi, A) **360,** 161
Positive feedback of glutamate exocytosis by metabotropic presynaptic receptor stimulation. *Letter to Nature,* (Herrero, I, Miras-Portugal, M T, Sánchez-Prieto, J) **360,** 163
Cost of brain disorders. *Correspondence,* (Coyle, J T) **358,** 184
Functional localization and lateralization of human olfactory cortex. *Letter to Nature,* (Zatorre, R J, Jones-Gotman, M, Evans, A C, Meyer, E) **360,** 339
Columns for visual features of objects in monkey inferotemporal cortex. *Letter to Nature,* (Fujita, I, Tanaka, K, Ito, M, Cheng, K) **360,** 343
Remedies for brain disorders. *Correspondence,* (Bignami, G) **359,** 266
Possible blindsight in infants lacking one cerebral hemisphere. *Letter to Nature,* (Braddick, O, Atkinson, J, Hood, B, Harkness, W, Jackson, G, Vargha-Khadem, F) **360,** 461
Dissociation between mental imagery and object recognition in a brain-damaged patient. *Letter to Nature,* (Behrmann, M, Winocur, G, Moscovitch, M) **359,** 636
Molecular neurology comes of age. *News and views,* (Short, N) **360,** 295
Neurobiology: Elements of visual perception. *News and views,* (Stryker, M P) **360,** 301
Neurophysiology. Time to collision is signalled by neurons in the nucleus rotundus of pigeons. *Letter to Nature,* (Wang, Y, Frost, B J) **356,** 236
The lopsided ape: Evolution of the generative mind. *Book review by* Morgan, M. **356,** 754
Glutamate-induced long-term potentiation of the frequency of miniature synaptic currents in cultured hippocampal neurons. *Article,* (Malgaroli, A, Tsien, R W) **357,** 134
Mixed parvocellular and magnocellular geniculate signals in visual area V4. *Letter to Nature,* (Ferrera, V P, Nealey, T A, Maunsell, J H R) **358,** 756
Quantal transmitter secretion from myocytes loaded with acetylcholine. *Letter to Nature,* (Dan, Y, Poo, M-m) **359,** 733
Chance and design: Reminiscences of science in peace and war. *Book review by* Perutz, M F. **359,** 113
Neuropsychiatric illness. Molecular genetic approaches to neuropsychiatric diseases. *Book review by* Hardy, J. **356,** 670
Neuropsychology. Neural subsystems for object knowledge. *Letter to Nature,* (Hart Jr, J, Gordon, B) **359,** 60
Preserved figure-ground segregation and symmetry perception in visual neglect. *Letter to Nature,* (Driver, J, Baylis, G C, Rafal, R D) **360,** 73
Neuroscience. P-type calcium channels blocked by the spider toxin omega-Aga-IVA. *Letter to Nature,* (Mintz, I M, Venema, V J, Swiderek, K M, Lee, T D, Bean, B P, Adams, M E) **355,** 827
Movement selection in advance of action in the superior colliculus. *Letter to Nature,* **355,** 542
Rapid-time-course miniature and evoked excitatory currents at cerebellar synapses *in situ*. *Letter to Nature,* (Silver, R A, Traynelis, S F, Cull-Candy, S G) **355,** 163
Mutations in the *Caenorhabditis elegans unc-4* gene alter the synaptic input to ventral cord motor neurons. *Letter to Nature,* (White, J G, Southgate, E, Thomson, J N) **355,** 838
C. elegans unc-4 gene encodes a homeodomain protein that determines the pattern of synaptic input to specific motor neurons. *Letter to Nature,* (Miller, D M, Shen, M M, Shamu, C E, Bürglin, T R, Ruvkun, G, Dubois, M L, Ghee, M, Wilson, L) **355,** 841
Protein kinase C reduces Mg^{2+} block of NMDA-receptor channels as a mechanism of modulation. *Letter to Nature,* (Chen, L, Huang, L-Y M) **356,** 521
Synaptic excitation produces a long-lasting rebound potentiation of inhibitory synaptic signals in cerebellar Purkinje cells. *Letter to Nature,* (Kano, M, Rexhausen, U, Dreessen, J, Konnerth, A) **356,** 601
Foundations of the neuron doctrine. *Book review by* Young, J Z. **356,** 624
Cajal's degeneration and regeneration of the nervous system. *Book review by* Young, J Z. **356,** 624
Analytical language. *Correspondence,* (Fry, R M) **356,** 651
Functional characterization of a heteromeric NMDA receptor channel expressed from cloned cDNAs. *Letter to Nature,* (Meguro, H, Mori, H, Araki, K, Kushiya, E, Kutsuwada, T, Yamazaki, M, Kumanishi, T, Arakawa, M, Sakimura, K, Mishina, M) **357,** 70
Long-term potentiation is associated with increases in quantal content and quantal amplitude. *Letter to Nature,* (Kullmann, D M, Nicoll, R A) **357,** 240
The spread of Na^+ spikes determines the pattern of dendritic Ca^{2+} entry into hippocampal neurons. *Letter to Nature,* (Jaffe, D B, Johnston, D, Lasser-Ross, N, Lisman, J E, Miyakawa, H, Ross, W N) **357,** 244
Segregation of global and local motion processing in primate middle temporal visual area. *Letter to Nature,* (Born, R T, Tootell, R B H) **357,** 497
ATP mediates fast synaptic transmission in mammalian neurons. *Letter to Nature,* (Evans, R J, Derkach, V, Surprenant, A) **357,** 503
The decade of the brain. *Opinion,* **357,** 348
Consciousness on the scientific agenda. *News and views,* (Gray, J) **358,** 277
Neural correlates of perceptual motion coherence. *Letter to Nature,* (Stoner, G R, Albright, T D) **358,** 412
High brain densities of the immunophilin FKBP colocalized with calcineurin. *Letter to Nature,* (Steiner, J P, Dawson, T M, Fotuhi, M, Glatt, C E, Snowman, A M, Cohen, N, Snyder, S H) **358,** 584
Gangliomodulin?. *News and views,* **357,** 641
Molecular diversity of the NMDA receptor channel. *Article,* (Kutsuwada, T, Kashiwabuchi, N, Mori, H, Sakimura, K, Kushiya, E, Araki, K, Meguro, K, Masaki, H, Kumanishi, T, Arakawa, M, Mishina, M) **358,** 36
Objective analysis of the topological organization of the primate cortical visual system. *Letter to Nature,* (Young, M P) **358,** 152
Identification by mutagenesis of a Mg^{2+}-block site of the NMDA receptor channel. *Letter to Nature,* (Mori, H, Masaki, H, Yamakura, T, Mishina, M) **358,** 673
Nitric oxide release from a single cell measured *in situ* by a porphyrinic-based microsensor. *Letter to Nature,* (Malinski, T, Taha, Z) **358,** 676
Neurons and networks: an introduction to neuroscience. *Book review by* Hanley, M R. **359,** 686
The neuron: cell and molecular biology. *Book review by* Hanley, M R. **359,** 686
An introduction to molecular neurobiology. *Book review by* Hanley, M R. **359,** 686
Biosensors: NO release for good measure. *News and views,* (Snyder, S H) **358,** 623
Long-term potentiation: Knocking out memory's door. *News and views,* (Madison, D V) **358,** 626
ATP receptor-mediated synaptic currents in the central nervous system. *Letter to Nature,* (Edwards, F A, Gibb, A J, Colquhoun, D) **359,** 144
Surfaces versus features in visual search. *Letter to Nature,* (He, Z J, Nakayama, K) **359,** 231
Confusion about form and function clouds launch of EC's Decade of the Brain. *News,* (Abbott, A) **359,** 260
Crossing the border, crossing the ocean. *News,* (Abbott, A) **359,** 260
Cloning and expression of a rat brain L-glutamate transporter. *Letter to Nature,* (Pines, G, Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360,** 464
Primary structure and functional characterization of a high-affinity glutamate transporter. *Letter to Nature,* (Kanai, Y, Hediger, M A) **360,** 467
Predictable eye-head coordination during driving. *Letter to Nature,* (Land, M F) **359,** 318
Molecular neuropharmacology. *Journal review,* (Enna, S J, Woodruff, G N) **359,** 445
Current opinion in neurobiology. *Journal review,* (Barnard, E A, Aguayo, A, Raff, M) **359,** 445
Brain pathology. *Journal review,* (Kosik, K S, Kleihues, P) **359,** 446
Frontiers in neuroendocrinology. *Journal review,* (Swanson, L W, Ganong, W E, Martini, L) **359,** 446
Synaptic vesicle-associated Ca^{2+}/calmodulin-dependent protein kinase II is a binding protein for synapsin I. *Letter to Nature,* (Benfenati, F, Valtorta, F, Rubenstein, J L, Gorelick, F S, Greengard, P, Czernik, A J) **359,** 417
Mutations in the channel domain of a neuronal nicotinic receptor convert ion selectivity from cationic to anionic. *Article,* (Galzi, J-L, Devillers-Thiéry, A, Hussy, N, Bertrand, S, Changeux, J-P, Bertrand, D) **359,** 500
Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine. *Letter to Nature,* (Thompson, L T, Moskal, J R, Disterhoft, J F) **359,** 638
A functional barrier to movement of lipids in polarized neurons. *Letter to Nature,* (Kobayashi, T, Storrie, B, Simons, K, Dotti, C G) **359,** 647
Neurotransmitter transporters: A tale of two families. *News and views,* (Amara, S G) **360,** 420
Projection domains of MAP2 and tau determine spacings between microtubules in dendrites and axons. *Letter to Nature,* (Chen, J, Kanai, Y, Cowan, N J, Hirokawa, N) **360,** 674
Errata: Cloning and expression of a rat brain L-glutamate transporter. *Letter to Nature,* (Pines, G, Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360,** 768
Postsynaptic contribution to long-term potentiation revealed by the analysis of miniature synaptic currents. *Article,* (Manabe, T, Renner, P, Nicoll, R A) **355,** 50
Long-term potentiation: Miniatures get bigger. *News and views,* (Edwards, F A) **355,** 21
Spatial filtering precedes motion detection. *Letter to Nature,* (Morgan, M J) **355,** 344
Subtractive and divisive adaptation in the human visual system. *Letter to Nature,* (Snowden, R J, Hammett, S T) **355,** 248
Selective inhibition of neurite outgrowth on mature astrocytes by Thy-1 glycoprotein. *Letter to Nature,* (Tiveron, M-C, Barboni, E, Rivero, F B P, Gormley, A M, Seeley, P J, Grosveld, F, Morris, R) **355,** 745
Neurotoxins. Tetanus and botulinum-B neurotoxins block neurotransmitter release by proteolytic cleavage of synaptobrevin. *Letter to Nature,* (Schiavo, G, Benfenati, F, Poulain,

B. Rossetto, O. Polverino de Laureto, P. DasGupta, B R. Montecucco, C) **359,** 832

Neurotransmitter transporters. Cloning and expression of a rat brain L-glutamate transporter, *Letter to Nature,* (Pines, G. Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360,** 464

Primary structure and functional characterization of a high-affinity glutamate transporter, *Letter to Nature,* (Kanai, Y, Hediger, M A) **360,** 467

The glial cell glutamate uptake carrier countertransports pH-changing anions, *Letter to Nature,* (Bouvier, M, Szatkowski, M, Amato, A, Attwell, D) **360,** 471

Neurotransmitter transporters: A tale of two families, *News and views,* (Amara, S G) **360,** 420

Errata: Cloning and expression of a rat brain L-glutamate transporter, *Letter to Nature,* (Pines, G, Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360,** 768

Neurotransmitters. Quantal transmitter secretion from myocytes loaded with acetylcholine, *Letter to Nature,* (Dan, Y, Poo, M-m) **359,** 733

Tetanus and botulinum-B neurotoxins block neurotransmitter release by proteolytic cleavage of synaptobrevin, *Letter to Nature,* (Schiavo, G, Benfenati, F, Poulain, B, Rossetto, O, Polverino de Laureto, P, DasGupta, B R, Montecucco, C) **359,** 832

Neurotransmission: A retrograde step forward, *News and views,* (Nicholls, D G) **360,** 106

Neurotransmitters: ATP joins the fast lane, *News and views,* (Benham, C D) **359,** 103

ATP receptor-mediated synaptic currents in the central nervous system, *Letter to Nature,* (Edwards, F A, Gibb, A J, Colquhoun, D) **359,** 144

Neurotrophic factors. Brain-derived neurotrophic factor rescues spinal motor neurons from axotomy-induced cell death, *Letter to Nature,* (Yan, Q, Elliott, J, Snider, W D) **360,** 753

Brain-derived neurotrophic factor rescues developing avian motoneurons from cell death, *Letter to Nature,* (Oppenheim, R W, Yin, Q-W, Prevette, D, Yan, Q) **360,** 755

Brain-derived neurotrophic factor prevents the death of motoneurons in newborn rats after nerve section, *Letter to Nature,* (Sendtner, M, Holtmann, B, Kolbeck, R, Thoenen, H, Barde, Y-A) **360,** 757

Neutrinos. Decaying neutrino theory, *Scientific correspondence,* (Sciama, D W, Salucci, P, Persic, M) **358,** 718

Superfluid solution, *News and views,* **357,** 17

Unrequited search for heavy neutrino, *News and views,* (Maddox, J) **355,** 673

Neutrino physics, *Book review by* Cherry, M L. **355,** 508

The search for dark matter (contd), *News and views,* (Maddox, J) **359,** 267

Reopening the solar neutrino question, *News and views,* (Krauss, L M) **357,** 437

Solar neutrinos: Is no SNUs good news?, *News and views,* (Krauss, L M) **355,** 399

Nuclear physics: Invisible radioactivity, *News and views,* (Phillips, W R) **360,** 299

Neutron lenses. A neutron lens, *Letter to Nature,* (Kumakhov, M A, Sharov, V A) **357,** 390

Guiding and focusing neutron beams using capillary optics, *Letter to Nature,* (Chen, H, Downing, R G, Mildner, D F R, Gibson, W M, Kumakhov, M A, Ponomarev, I Y, Gubarev, M V) **357,** 391

Neutron stars. Gamma-ray bursts in the galactic halo, *Letter to Nature,* (Brainerd, J J) **355,** 522

Can accretion onto isolated neutron stars produce gamma-ray bursts?, *Letter to Nature,* (Harding, A K, Leventhal, M) **357,** 388

Spin-up and recovery in the 1989 glitch of the Crab pulsar, *Letter to Nature,* (Lyne, A G, Smith, F G, Pritchard, R S) **359,** 706

Pulsar glitches as probes of neutron star interiors, *Letter to Nature,* (Link, B, Epstein, R I, Van Riper, K A) **359,** 616

A brief history of pulsar time, *News and views,* (Blandford, R D) **359,** 675

Gamma-ray bursts: Puritans and cavaliers, *News and views,* (Bailyn, C) **359,** 478

Gamma-ray bursts from high-velocity neutron stars, *Letter to Nature,* (Li, H, Dermer, C D) **359,** 514

X-ray binaries: Optical signature of Cygnus X-3, *News and views,* (Conti, P S) **355,** 680

Infrared helium emission lines from Cygnus X-3 suggesting a Wolf-Rayet star companion, *Letter to Nature,* (van Kerkwijk, M H, Charles, P A, Geballe, T R, King, D L, Miley, G K, Molnar, L A, van de Heuvel, E P J, van der Klis, M, van Paradijs, J) **355,** 703

Genesis of a pulsar's planets, *Scientific correspondence,* (Wuers, R A M J, van den Heuvel, E P J, van Kerkwuk, M H, Bhattacharya, D) **355,** 593

New Zealand, research funding. New Zealand tries to bring science closer to industry, *News,* (Lawson, M) **357,** 620

Newton, Isaac. Newton statue under fire, *News,* (Mundell, I) **359,** 178

The investigation of difficult things: Essays on Newton and the history of the exact sciences, *Book review by* Shea, W R. **359,** 595

NF-kB factor. The candidate oncoprotein Bcl-3 is an antagonist of p50/NF-kB-mediated inhibition, *Letter to Nature,* (Franzoso, G, Bours, V, Park, S, Tomita-Yamaguchi, M, Kelly, K, Siebenlist, U) **359,** 339

Nickel, mantle. Solubility of neutral nickel in silicate melts and implications for the Earth's siderophile element budget, *Letter to Nature,* (Colson, R O) **357,** 65

Nicotinic receptors. Mutations in the channel domain of a neuronal nicotinic receptor convert ion selectivity from cationic to anionic, *Article,* (Galzi, J-L, Devillers-Thiéry, A, Hussy, N, Bertrand, S, Changeux, J-P, Bertrand, D) **359,** 500

Nitrogen oxides, atmospheric. Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature,* (Johnson, C, Henshaw, J, McInnes, G) **355,** 69

Nitric oxide release from a single cell measured *in situ* by a porphyrinic-based microsensor, *Letter to Nature,* (Malinski, T, Taha, Z) **358,** 676

Biosensors: NO release for good measure, *News and views,* (Snyder, S H) **358,** 623

Ice-age atmospheric concentration of nitrous oxide from an Antarctic ice core, *Letter to Nature,* (Leuenberger, M, Siegenthaler, U) **360,** 449

Nitrates, in water. Reduction of nitrate and nitrite in water immobilized enzymes, *Letter to Nature,* (Mellor, R B, Ronnenberg, J, Campbell, W H, Diekmann, S) **355,** 717

Nitrites, oxidation. Acceleration of the rate of nitrite oxidation by freezing in aqueous solution, *Letter to Nature,* (Takenaka, N, Ueda, A, Maeda, Y) **358,** 736

Nitrogen cycle. Episodic atmospheric nitrogen deposition to oligotrophic oceans, *Letter to Nature,* (Owens, N J P, Galloway, J N, Duce, R A) **357,** 397

Evidence from nitrogen isotope ratios for enhanced productivity during formation of eastern Mediterranean sapropels, *Letter to Nature,* (Calvert, S E, Nielsen, B, Fontugne, M R) **359,** 223

Lack of nitrogen cycling in the Atacama Desert, *Letter to Nature,* (Ehleringer, J R, Mooney, H A, Rundel, P W, Evans, R D, Palma, B, Delatorre, J) **359,** 316

Nitrogen fixation. Crystallographic structure and functional implications of the nitrogenase molybdenum-iron protein from *Azotobacter vinelandii, Article,* (Kim, J, Rees, D C) **360,** 553

Nitrogen fixation: New light on nitrogenase, *News and views,* (Thorneley, R N F) **360,** 532

Nitrogenase. Crystallographic structure and functional implications of the nitrogenase molybdenum-iron protein from *Azotobacter vinelandii, Article,* (Kim, J, Rees, D C) **360,** 553

Nitrogen fixation: New light on nitrogenase, *News and views,* (Thorneley, R N F) **360,** 532

NMDA receptor. Protein kinase C reduces Mg^{2+} block of NMDA-receptor channels as a mechanism of modulation, *Letter to Nature,* (Chen, L, Huang, L-Y M) **356,** 521

Functional characterization of a heteromeric NMDA receptor channel expressed from cloned cDNAs, *Letter to Nature,* (Meguro, H, Mori, H, Araki, K, Kushiya, E, Kutsuwada, T, Yamazaki, M, Kumanishi, T, Arakawa, M, Sakimura, K, Mishina, M) **357,** 70

Developmental regulation of NMDA receptor-mediated synaptic currents at a central synapse, *Letter to Nature,* (Hestrin, S) **357,** 686

Molecular diversity of the NMDA receptor channel, *Article,* (Kutsuwada, T, Kashiwabuchi, N, Mori, H, Sakimura, K, Kushiya, E, Araki, K, Meguro, K, Masaki, H, Kumanishi, T, Arakawa, M, Mishina, M) **358,** 36

Identification by mutagenesis of a Mg^{2+}-block site of the NMDA receptor channel, *Letter to Nature,* (Mori, H, Masaki, H, Yamakura, T, Mishina, M) **358,** 673

NMDA receptors. NMDA receptors: On to molecular mechanisms, *News and views,* (Stevens, C F) **358,** 18

Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine, *Letter to Nature,* (Thompson, L T, Moskal, J R, Disterhoft, J F) **359,** 638

Potentiation of NMDA receptor currents by arachidonic acid, *Letter to Nature,* (Miller, B *et al.*) **355,** 722

Nobel Prizes. Nationalism and internationalism in science, 1880-1939: Four studies of the Nobel population, *Book review by* Barkan, D. **358,** 116

Nobel Prize given for work on protein phosphorylation, *News,* (Anderson, C) **359,** 570

Nobel prizes go to Caltech chemist, CERN physicist, *News,* (Garwin, L, Finn, R) **359,** 664

Anyons, *Correspondence,* (Liu, S W-W) **360,** 100

Time for tempting the Nobel fates, *News and views,* (Maddox, J) **359,** 101

Sakmann starts German-Israeli fund, *News,* (Abbott, A) **360,** 285

Following ancestral footsteps, *News,* **360,** 514

Noble gases, geochemistry. Helium/heat ratios and deposition temperatures of sulphides from the ocean floor, *Letter to Nature,* (Turner, G, Stuart, F) **357,** 581

Noble gases. Possible cometary origin of heavy noble gases in the atmospheres of Venus, Earth and Mars, *Letter to Nature,* (Owen, T, Bar-Nun, A, Kleinfeld, I) **358,** 43

Nomenclature. Bacteria and eukaryotes, *Scientific correspondence,* (Cavalier-Smith, T) **356,** 570

Non-insulin-dependent diabetes mellitus. Close linkage of glucokinase locus on chromosome 7p to early-onset non-insulin-dependent diabetes mellitus, *Letter to Nature,* (Froguel, Ph, Vaxillaire, M, Sun, F, Velho, G, Zouali, H, Butel, M O, Lesage, S, Vionnet, N, Clément, K, Fougerousse, F, Tanizawa, Y, Weissenbach, J, Beckmann, J S, Lathrop, G M, Passa, Ph, Permutt, M A, Cohen, D) **356,** 162

Nonsense mutation in the glucokinase gene causes early-onset non-insulin-dependent diabetes mellitus, *Letter to Nature,* (Vionnet, N, Stoffel, M, Takeda, J, Yasuda, K, Bell, G I, Zouali, H, Lesage, S, Velho, G, Iris, F, Passa, Ph, Froguel, Ph, Cohen, D) **356,** 721

Nonlinear dynamics. Journal of nonlinear science, *Journal review,* (Shlesinger, M, Kuznetsov, E, Wiggins, S) **359,** 453

Nonlinear science today, *Journal review,* (Shlesinger, M, Holmes, P, Stewart, I) **359,** 453

Chaos, solitons and fractals: Applications in science and engineering, *Journal review,* (Shlesinger, M, El Naschie, M S) **359,** 453

Chaos, *Journal review,* (Shlesinger, M, Campbell, D K) **359,** 453

International journal of bifurcation and chaos, *Journal review,* (Chua, L O, Shlesinger, M) **359,** 453

How predictable is chaos?, *Scientific correspondence,* (Cazelles, B, Ferriere, R H) **355,** 25

How predictable is chaos? Reply, *Scientific correspondence,* (Sugihara, G, May, R M) **355,** 26

Chaos and epidemiology: Repellors attract attention, *News and views,* (Sidorowich, J J) **355,** 584

Dynamical systems: Coming to grips with chaos, *News and views,* (Moon, F C) **355,** 675

Numerical methods: Warning - handle with care!, *News and views,* (Stewart, I) **355,** 16

Nonlinear optics. Excited-state enhancement of optical nonlincarities in linear conjugated molecules, *Letter to Nature,* (Rodenberger, D C, Heflin, J R, Garito, A F) **359,** 309

Nonlinear optics: principles, materials, phenomena, and devices, *Journal review,* (Walmsley, I, Kobayashi, T) **359,** 454

Soviet lightwave communications, *Journal review,* (Blow, K, Prokhorov, A M) **359,** 454

Nordic science. Heading into an uncertain future, *News,* (Maddox, J, Dickson, D) **360,** 509

Collaboration: yes, but in which direction?, *News,* **360,** 510

Sweden: The times are a-changing, *News,* **360,** 511

Business-like universities, *News,* **360,** 512

Support from the workers, *News,* **360,** 512

Sweden's central role, *News,* **360,** 513

Intellectual inward investment, *News,* **360,** 513

Change at the Karolinska, *News,* **360,** 514

Following ancestral footsteps, *News,* **360,** 514

Merging for strength, *News,* **360,** 515

Denmark: Influence beyond its size, *News,* **360,** 516

Universities look forward to more autonomy, *News,* **360,** 516

New name for an old friend, *News,* **360,** 517

A council too many?, *News,* **360,** 517

Aarhus on the accelerator, *News,* **360,** 518

Fertile grounds for the growth of biotechnology, *News,* **360,** 519

Norway: It's time to reorganize, *News,* **360,** 520

Norway's universities challenged, *News,* **360,** 521

The view from the North, *News,* **360,** 522

EISCAT's place out of the Sun, *News,* **360,** 522

Alternative view on whaling, *News,* **360,** 523

Finland: Faith in a European future, *News,* **360,** 524

Universities tighten their belts, *News,* **360,** 525

Technology dodging the cuts, *News,* **360,** 526

Opposition confounds nuclear policy, *News,* **360,** 526

Low-temperature gains, *News,* **360,** 527

Talking to Europe, *News,* **360,** 527

No biotechnology bandwagon, *News,* **360,** 528

North American Free Trade Agreement. American free trade, *Opinion,* **356,** 92

No politics please, *Correspondence,* (Cumming, P) **357,** 432

North Atlantic Deep Water. Evidence from Southern Ocean sediments for the effect of North Atlantic deep-water flux on climate, *Article,* (Charles, C D, Fairbanks, R G) **355,** 416

Northern Ireland, independence. Good government for small countries, *Opinion,* **355,** 659

Novae. X-ray detection of Nova Herculis 1991 five days after optical outburst, *Letter to Nature,* (Lloyd, H M, O'Brien, T J, Bode, M F, Predehl, P, Schmitt, J H M M, Trümper, J, Watson, M G, Pounds, K A) **356,** 222

Nuclear accidents. Windscale 1957: Anatomy of a nuclear accident, *Book review by* Simpson, J. **356,** 297

Childhood thyroid cancer in Belarus, *Scientific correspondence,* (Beral, V, Reeves, G, Shigematsu, I, Thiessen, J W) **359,** 680

Thyroid cancer after Chernobyl, *Scientific correspondence,* (Kazakov, V S, Demidchik, E P, Astakhova, L N, Braverstock, K, Egloff, B, Pinchera, A, Ruchti, C, Williams, D) **359,** 21

Nuclear envelope assembly. A role for ADP-ribosylation factor in nuclear vesicle dynamics, *Letter to Nature,* (Boman, A L, Taylor, T C, Malanon, P, Wilson, K L) **358,** 512

Nuclear factors. Nuclear factor of activated T cells contains Fos and Jun, *Letter to Nature,* (Jain, J, McCaffrey, P G, Valge-Archer, V E, Rao, A) **356,** 801

Nuclear fuel recycling. Japan modifies plans for plutonium in wake of protests over shipments, *News,* (Swinbanks, D) **359,** 663

How to handle hot plutonium, *News,* (Swinbanks, D) **359,** 663

Nuclear fusion projects. British JET staff to strike over pay and prospects, *News,* (Mundell, I) **357,** 270

Answers, but no solutions, for dispute at JET, *News,* (Mundell, I) **359,** 352

Nuclear magnetic resonance. NMR PDQ, *News and views*, **356,** 111
Quantification of the disorder in network-modified silicate glasses, *Article*, (Farnan, I, Grandinetti, P J, Baltisberger, J H, Stebbins, J F, Werner, U, Eastman, M A, Pines, A) **358,** 31
Different conformations for the same polypeptide bound to chaperones DnaK and GroEL, *Letter to Nature*, (Landry, S J, Jordan, R, McMacken, R, Gierasch, L M) **355,** 455
Six of one, *News and views*, **355,** 302
Nuclear Non-proliferation Treaty. Test-ban treaty, *Correspondence*, (Fischer, D) **360,** 9
Winning a nuclear test-ban by stealth?, *Opinion*, **359,** 465
Nuclear physics. UK nuclear physicists wonder if there is life after Daresbury, *News*, (Mundell, I) **359,** 352
British scientists and the Manhattan Project: The Los Alamos years, *Book review by* Peierls, R. **357,** 290
The Los Alamos primer: The first lectures on how to build an atom bomb, *Book review by* Peierls, R. **357,** 290
Nuclear physics: Invisible radioactivity, *News and views*, (Phillips, W R) **360,** 299
Nuclear age reaches half century, *News and views*, (Pease, R) **360,** 303
Nuclear power, Eastern Europe. Nuclear power: East Europe's reactors in trouble, *News*, (Land, T) **355,** 98
Nuclear power, India. India threatened with loss of nuclear fuel, *News*, (Jayaraman, K S) **360,** 287
Nuclear power, Japan. Why not plutonium?, *Opinion*, **358,** 356
Japan plans furnace reactor to consume Soviet plutonium, *News*, (Swinbanks, D) **358,** 362
Japan committed to plutonium at all costs, *News*, (Swinbanks, D) **359,** 766
How secure?, *Correspondence*, (Baker, R) **359,** 100
Nuclear power, UK. Britain prepares to leave European fast-breeder reactor programme, *News*, (Dickson, D, Abbott, A) **360,** 93
Epidemiology: Leukaemia linked to radiation, *News*, (Aldhous, P) **355,** 381
Nuclear power. Opposition confounds nuclear policy, *News*, **360,** 526
Nuclear structure physics, UK. France welcomes British physicists, *News*, (Mundell, I) **357,** 350
Nuclear vesicles. A role for ADP-ribosylation factor in nuclear vesicle dynamics, *Letter to Nature*, (Boman, A L, Taylor, T C, Malanon, P, Wilson, K L) **358,** 512
Nuclear war. Prisoner's dilemma: John von Neumann, game theory and the puzzle of the bomb, *Book review by* Shubik, M. **356,** 637
Nuclear waste disposal. Bulk synthesis and selective exchange of strontium ions in $Na_4Mg_4Al_8Si_8O_{32}F_8$ mica, *Letter to Nature*, (Paulus, W J, Komarneni, S, Roy, R) **357,** 571
Energy and environment: Nuclear wastes seek home, *News*, (Land, T) **355,** 580
Nuclear waste, Japan. Japanese face stiff barriers in recycling of nuclear fuel, *News*, (Swinbanks, D) **359,** 766
Nuclear waste. Soviets reported to have dumped nuclear waste in Arctic, *News*, (Watson, T) **358,** 444
Nuclear weapons testing. NAS to redo atomic studies found to be flawed, *News*, (Anderson, C) **359,** 354
Moratorium ending, *Opinion*, **357,** 524
Winning a nuclear test-ban by stealth?, *Opinion*, **359,** 465
Nuclear weapons. US national laboratories: Beating swords into "critical technologies", *News*, (Anderson, C) **355,** 578
Stopping the spread of nuclear weapons: The past and prospects, *Book review by* Walker, W. **356,** 669
Plutonium and security: The military aspects of the plutonium economy, *Book review by* Walker, W. **356,** 669
Europe's lesser nuclear powers in flux, *Opinion*, **355,** 283
Saving Russian science: Stopping the Russian nuclear brain drain, *News*, (Land, T) **355,** 576
The fail-safe society: Community defiance and the end of American technological optimism, *Book review by* Aldhous, P. **355,** 124
Nuclearites. Buried prospects, *News and views*, **359,** 478
Nucleic acid analysis. ^{32}P, ^{33}P and ^{35}S: selecting a label for nucleic acid analysis, *Product review*, (Evans, M R, Read, C A) **358,** 520
Nucleosynthesis. Clues to early Solar System history from chromium isotopes in carbonaceous chondrites, *Article*, (Rotaru, M, Birck, J L, Allègre, C J) **358,** 465
Nucleosynthesis: Flashing giants forge fluorine, *News and views*, (Mathews, G J) **359,** 18
Asymptotic-giant-branch stars, *News and views*, (Mathews, G J) **359,** 18
Astrophysical ^7Li as a product of Big Bang nucleosynthesis and galactic cosmic-ray spallation, *Letter to Nature*, (Olive, K A, Schramm, D N) **360,** 439
The O/C abundance ratio in absorbing gas clouds at high redshift, *Letter to Nature*, (Reimers, D, Vogel, S, Hagen, H-J, Engels, D, Groote, D, Wamsteker, W, Clavel, J, Rosa, M R) **360,** 561
The anthropic view of nucleosynthesis, *News and views*, (Maddox, J) **355,** 107
Detection of helium-3 in a planetary nebula, *Letter to Nature*, (Rood, R T, Bania, T M, Wilson, T L) **355,** 618
Numa, Shosaku. Obituary: Shosaku Numa (1929-1992), *News and views*, (Sakmann, B) **356,** 193
Numerical methods. Numerical methods: Warning - handle with care!, *News and views*, (Stewart, I) **355,** 16
Nutrients. Interactions between food-web structure and nutrients on pond organisms, *Letter to Nature*, (Leibold, M A, Wilbur, H M) **360,** 341
Ecology: Frog ponds and ocean iron, *News and views*, (Pimm, S L) **360,** 298
Nutrition. Eat your broccoli (and brussels sprouts), *News and views*, (Culliton, B J) **356,** 377
Healthy broccoli?, *Scientific correspondence*, (Paolini, M, Legator, M S) **357,** 448
War against famine, for nutrition, *Opinion*, **360,** 499
Obituaries. Obituary: Shosaku Numa (1929-1992), *News and views*, (Sakmann, B) **356,** 193
Obituary: Peter Mitchell (1920-1992), *News and views*, (Garland, P) **356,** 747
Isaac Asimov (1920-1992), *News and views*, (Sagan, C) **357,** 113
Obituary: David Bohm (1917-1992), *News and views*, (Redhead, M L G) **360,** 107
Obituary: Barbara McClintock (1902-1992), *News and views*, (Fink, G R) **359,** 272
Obituary. Obituary: Lord Ashby (1904 - 1992), *News and views*, (Rhodes, F H T) **360,** 208
Ocean circulation. Interhemispheric transport of carbon dioxide by ocean circulation, *Letter to Nature*, (Broecker, W S, Peng, T-H) **356,** 587
Carbon dioxide: Conveying that sinking feeling, *News and views*, (Watson, A) **356,** 561
Balancing the carbon budget, *News and views*, (Watson, A) **356,** 561
Sudden changes in North Atlantic circulation during the last deglaciation, *Article*, (Lehman, S J, Keigwin, L D) **356,** 757
Water mass exchange between the North Atlantic and the Norwegian Sea during the past 28,000 years, *Letter to Nature*, (Veum, T, Jansen, E, Arnold, M, Beyer, I, Duplessy, J-C) **356,** 783
Climate: Deep ocean circulation puzzle, *News and views*, (Zahn, R) **356,** 744
Eddy momentum flux and its contribution to the Southern Ocean momentum balance, *Letter to Nature*, (Morrow, R, Church, J, Coleman, R, Chelton, D, White, N) **357,** 482
Rapid coupling of sinking particle fluxes between surface and deep ocean waters, *Letter to Nature*, (Asper, V L, Deuser, W G, Knauer, G A, Lohrenz, S E) **357,** 670
Deep circulation revisited, *Scientific correspondence*, (Lehmann, S J, Keigwin, L D) **358,** 197
Evidence from Cd/Ca ratios in foraminifera for greater upwelling off California 4,000 years ago, *Letter to Nature*, (van Geen, A, Luoma, S N, Fuller, C C, Anima, R, Clifton, H E, Trumbore, S) **358,** 54
Enhanced ventilation of the North Atlantic subtropical gyre thermocline during the last glaciation, *Letter to Nature*, (Slowey, N C, Curry, W B) **358,** 665
Cooling and freshening of the subpolar North Atlantic Ocean since the 1960s, *Letter to Nature*, (Read, J F, Gould, W J) **360,** 55
Spring phytoplankton blooms in the absence of vertical water column stratification, *Letter to Nature*, (Townsend, D W, Keller, M D, Sieracki, M E, Ackleson, S G) **360,** 59
Influence of Southern Ocean waters on the cadmium-phosphate properties of the global ocean, *Letter to Nature*, (Frew, R D, Hunter, K A) **360,** 144
Ocean circulation: Global warming, ocean cooling, *News and views*, (Clarke, A) **360,** 17
Track event, *News and views*, **359,** 106
Ocean monitoring. Ocean monitoring: Economic crisis squeezes data, *News*, (Mundell, I) **356,** 372
Ocean physics. Enhanced dissipation of kinetic energy beneath surface waves, *Letter to Nature*, (Agrawal, Y C, Terray, E A, Donelan, M A, Hwang, P A, Williams, A J III, Drennan, W M, Kahma, K K, Kitaigorodskii, S A) **359,** 219
Ocean temperature variation. Warming of the water column in the southwest Pacific Ocean, *Letter to Nature*, (Bindoff, N L, Church, J A) **357,** 59
Molecular records of twentieth-century El Niño events in laminated sediments from the Santa Barbara basin, *Letter to Nature*, (Kennedy, J A, Brassell, S C) **357,** 62
Ocean, ambient noise. Imaging the ocean with ambient noise, *Letter to Nature*, (Buckingham, M J, Berkhout, B V, Glegg, S A L) **356,** 327
Ocean-atmosphere coupling. Revised budget for the oceanic uptake of anthropogenic carbon dioxide, *Letter to Nature*, (Sarmiento, J L, Sundquist, E T) **356,** 589
Carbon dioxide: Conveying that sinking feeling, *News and views*, (Watson, A) **356,** 561
Balancing the carbon budget, *News and views*, (Watson, A) **356,** 561
Global propagation of interannual fluctuations in atmospheric angular momentum, *Letter to Nature*, (Dickey, J O, Marcus, S L, Hide, R) **357,** 484
Carbon isotopes and carbon cycling, *News and views*, (Keir, R) **357,** 446
Thermal skin effect of the surface ocean and its implications for CO_2 uptake, *Letter to Nature*, (Robertson, J E, Watson, A J) **358,** 738
Oceanic tectonics. Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246
Oceanographic research. Oceanography: Explosion kills two, *News*, (Anderson, C) **356,** 187
US oceanography lab sinks under weight of politics, *News*, (Anderson, C) **358,** 99
NOAA appoints ombudsman to repair frayed ties with universities, *News*, (Anderson, C) **359,** 570
Oceanography, carbon dioxide. Thermal skin effect of the surface ocean and its implications for CO_2 uptake, *Letter to Nature*, (Robertson, J E, Watson, A J) **358,** 738
Phytoplankton productivity in the North Pacific ocean since 1900 and implications for absorption of anthropogenic CO_2, *Letter to Nature*, (Falkowski, P G, Wilson, C) **358,** 741
Oceanography, nitrogen. Episodic atmospheric nitrogen deposition to oligotrophic oceans, *Letter to Nature*, (Owens, N J P, Galloway, J N, Duce, R A) **357,** 397
Oceanography, organic carbon. Reconciling particulate organic carbon flux and sediment community oxygen consumption in the deep North Pacific, *Letter to Nature*, (Smith, K L Jr, Baldwin, R J, Williams, P M) **359,** 313
Oceanography. Nutrient control of phytoplankton photosynthesis in the Western North Atlantic, *Letter to Nature*, (Platt, T, Sathyendranath, S, Ulloa, O, Harrison, W G, Hoepffner, N, Goes, J) **356,** 229
Uncertainty of detecting sea change, *Commentary*, (Duarte, C M, Cebrián, J, Marbà, N) **356,** 190
Large air-sea gas fluxes associated with breaking waves, *Letter to Nature*, (Wallace, D W R, Wirick, C D) **356,** 694
Comparison of two methods for measuring dissolved organic carbon in sea water, *Letter to Nature*, (Ogawa, H, Ogura, N) **356,** 696
Dissolved organic carbon in the Atlantic, Southern and Pacific oceans, *Letter to Nature*, (Martin, J H, Fitzwater, S E) **356,** 699
Carbon cycle: Catalytic conversions, *News and views*, (Toggweiler, J R) **356,** 665
Sequestration of CO_2 in the deep ocean by shallow injection, *Letter to Nature*, (Haugan, P M, Drange, H) **357,** 318
Carbon dioxide disposal: The deep-six fix again, *News and views*, (Orr, J C) **357,** 283
Helium/heat ratios and deposition temperatures of sulphides from the ocean floor, *Letter to Nature*, (Turner, G, Stuart, F) **357,** 581
^{14}C activity of dissolved organic carbon fractions in the north-central Pacific and Sargasso Sea, *Letter to Nature*, (Bauer, J E, Williams, P M, Druffel, E R M) **357,** 667
Seasonal cycle of surface ozone over the western North Atlantic, *Letter to Nature*, (Oltmans, S J, Levy II, H) **358,** 392
Global ocean monitoring strategy, *Correspondence*, (Sherman, K, Skjoldal, H R, Williams, R) **359,** 769
Hydrothermal supermounds, *Scientific correspondence*, (Murton, B J, German, C R) **358,** 629
Seawater carbon measurement, *Scientific correspondence*, (Ogawa, H, Ogura, N) **359,** 202
Evidence from Southern Ocean sediments for the effect of North Atlantic deep-water flux on climate, *Article*, (Charles, C D, Fairbanks, R G) **355,** 416
Octopods. Octopod 'ballooning' response, *Scientific correspondence*, (Boletzky, S V, Rio, M, Roux, M) **356,** 199
Balloon response explanation?, *Scientific correspondence*, (Hovland, M) **357,** 119
Oculomotor coordination. Predictable eye-head coordination during driving, *Letter to Nature*, (Land, M F) **359,** 318
Office of Scientific Integrity, US. NIH report vindicates Gallo on conduct of AIDS research, *News*, (Culliton, B J) **357,** 3
OSI finds Popovic guilty on *Science* paper, *News*, (Culliton, B J) **357,** 3
The OSI on Crewdson on Gallo, *News*, (Culliton, B J) **357,** 4
Popovic says OSI is wrong, *Correspondence*, (Popovic, M) **358,** 533
Oil fires, Kuwait. Oil and combustion-product contamination of the Gulf marine environment following the war, *Letter to Nature*, (Readman, J W, Fowler, S W, Villeneuve, J-P, Cattini, C, Oregioni, B, Mee, L D) **358,** 662
Kuwaiti soot over Japan, *Scientific correspondence*, (Okada, K, Ikegami, M, Uchino, O, Nikaidou, Y, Zaizen, Y, Tsutsumi, Y, Makino, Y) **355,** 120
Oil spills. Self-cleaning of the Gulf, *Scientific correspondence*, (Sorkhoh, N, Al-Hasan, R, Radwan, S, Höpner, T) **359,** 109
Marine pollution: Slick solution for oil spills, *News and views*, (Ollis, D) **358,** 453
Oil and combustion-product contamination of the Gulf marine environment following the war, *Letter to Nature*, (Readman, J W, Fowler, S W, Villeneuve, J-P, Cattini, C, Oregioni, B, Mee, L D) **358,** 662
Olfaction. Olfactory cues influence female choice in two lek-breeding antelopes, *Letter to Nature*, (Deutsch, J C, Nefdt, R J C) **356,** 596
Neurobiology: Modules for molecules, *News and views*, (Shepherd, G M) **358,** 457
Functional localization and lateralization of human olfactory cortex, *Letter to Nature*, (Zatorre, R J, Jones-Gotman, M, Evans, A C, Meyer, E) **360,** 339
Olfactory receptors. Expression of members of the putative olfactory receptor gene family in mammalian germ cells, *Letter to Nature*, (Parmentier, M, Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) **355,** 453
Oligosaccharide sequencing. Fast sequencing of oligosaccharides using arrays of enzymes, *Product review*, (Edge, C, Parekh, R, Rademacher, T, Wormald, M, Dwek, R) **358,** 693
Olive oil. Neural networks and olive oil, *Scientific correspondence*, (Goodacre, R, Kell, D B, Bianchi, G) **359,** 594
Olympics, sex testing. Olympic row over sex testing, *Corre-*

spondence, (Ferguson-Smith, M A, Carlson, A, de la Chapelle, A, Ehrhardt, A, Ferris, E, Ljungqvist, A, Genel, M, Simpson, J L) **355,** 10
Oncogenes. Transcriptional regulation: A closer look at E2F, *News and views*, (Nevins, J R) **358,** 375
Crystal structure of the phosphotyrosine recognition domain SH2 of v-*src* complexed with tyrosine-phosphorylated peptides, *Article*, (Waksman, G, Kominos, D, Robertson, S C, Pant, N, Baltimore, D, Birge, R B, Cowburn, D, Hanafusa, H, Mayer, B J, Overduin, M, Resh, M D, Rios, C B, Silverman, L, Kuriyan, J) **358,** 646
Signal transduction: Fishing in Src-infested waters, *News and views*, (Petsko, G A) **358,** 625
Cell transformation and activation of $pp60^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase, *Letter to Nature*, (Zheng, X M, Wang, Y, Pallen, C J) **359,** 336
Oncogenesis. Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation, *Letter to Nature*, (Guan, J-L, Shalloway, D) **358,** 690
Oncology. Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo, *Letter to Nature*, (Plate, K H, Breier, G, Weich, H A, Risau, W) **359,** 845
Coley's toxins, *Scientific correspondence*, (Starnes, C O) **360,** 23
Oncoproteins. Transcriptional activation by the human c-Myc oncoprotein in yeast requires interaction with Max, *Letter to Nature*, (Amati, B, Dalton, S, Brooks, M W, Littlewood, T D, Evan, G I, Land, H) **359,** 423
Myc and Max proteins possess distinct transcriptional activities, *Letter to Nature*, (Kretzner, L, Blackwood, E M, Eisenman, R N) **359,** 426
The candidate oncoprotein Bcl-3 is an antagonist of p50/NF-*k*B-mediated inhibition, *Letter to Nature*, (Franzoso, G, Bours, V, Park, S, Tomita-Yamaguchi, M, Kelly, K, Siebenlist, U) **359,** 339
Oort cloud. Meteorites: Stardust and planet dust, *News and views*, (McGlynn, T A) **355,** 20
Optical astronomy. Direct measurement of the optical depth in a spiral galaxy, *Letter to Nature*, (White, R E III, Keel, W C) **359,** 129
Erratum: Direct measurement of the optical depth in a spiral galaxy, *Letter to Nature*, (White, R E III, Keel, W C) **359,** 655
Optical computing. Optical materials: Fresh start for photonics, *News and views*, (Dalton, L R) **359,** 269
Optical imaging. Optical imaging of epileptiform and functional activity in human cerebral cortex, *Letter to Nature*, (Hagiund, M M, Ojemann, G A, Hochman, D W) **358,** 668
Optical information storage. Optical modification of a single impurity molecule in a solid, *Letter to Nature*, (Basché, Th, Moerner, W E) **355,** 335
Optical limiting. Optical limiting performance of C_{60} and C_{70} solutions, *Letter to Nature*, (Tutt, L W, Kost, A) **356,** 225
Buckminsterfullerene: Optics beyond the limits, *News and views*, (Heflin, J R, Garito, A F) **356,** 192
Optical microlithography. DNA electrophoresis in microlithographic arrays, *Letter to Nature*, (Volkmuth, W D, Austin, R H) **358,** 600
Optical microscopy, reflectance. Interference imaging of daily growth bands in massive corals, *Letter to Nature*, (Risk, M J, Pearce, T H) **358,** 572
Optical molasses. Light spin, *News and views*, **356,** 384
Optical physics. Making light work with optical tweezers, *Product review*, (Block, S M, Block, S M) **360,** 493
Optics, atomic. Atom optics: Atoms brought to a new focus, *News and views*, (Foot, C) **355,** 303
Optics, Galileo's lenses. Optical tests of Galileo's lenses, *Commentary*, (Greco, V, Molesini, G, Quercioli, F) **358,** 101
Optics, neutron. A neutron lens, *Letter to Nature*, (Kumakhov, M A, Sharov, V A) **357,** 390
Guiding and focusing neutron beams using capillary optics, *Letter to Nature*, (Chen, H, Downing, R G, Mildner, D F R, Gibson, W M, Kumakhov, M A, Ponomarev, I Y, Gubarev, M V) **357,** 391
Optics, nonlinear. Optical materials: Fresh start for photonics, *News and views*, (Dalton, L R) **359,** 269
Excited-state enhancement of optical nonlinearities in linear conjugated molecules, *Letter to Nature*, (Rodenberger, D C, Heflin, J R, Garito, A F) **359,** 309
Optics. Quantum optics: Crystals with a light touch, *News and views*, (Steane, A, Foot, C) **358,** 715
Nonlinear optics: principles, materials, phenomena, and devices, *Journal review*, (Walmsley, I, Kobayashi, T) **359,** 454
Soviet lightwave communications, *Journal review*, (Blow, K, Prokhorov, A M) **359,** 454
Optimality. Evolutionary physiology: The red flag of optimality, *News and views*, (Diamond, J M) **355,** 204
Optoelectronics. White House welcomes Japanese offer to help industry, *News*, (Anderson, C, Swinbanks, D) **356,** 734
Optical materials: Fresh start for photonics, *News and views*, (Dalton, L R) **359,** 269
Excited-state enhancement of optical nonlinearities in linear conjugated molecules, *Letter to Nature*, (Rodenberger, D C, Heflin, J R, Garito, A F) **359,** 309
Ore deposits. Deep heat, *News and views*, **355,** 302
Organic carbon, oceanic. Comparison of two methods for measuring dissolved organic carbon in sea water, *Letter to Nature*, (Ogawa, H, Ogura, N) **356,** 696
Dissolved organic carbon in the Atlantic, Southern and Pacific oceans, *Letter to Nature*, (Martin, J H, Fitzwater, S E) **356,** 699
Spring phytoplankton blooms in the absence of vertical water column stratification, *Letter to Nature*, (Townsend, D W, Keller, M D, Sieracki, M E, Ackleson, S G) **360,** 59
Decline and fall of marine snow, *News and views*, (Pease, R) **359,** 102
Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution, *Letter to Nature*, (Smith, D C, Simon, M, Alldredge, A L, Azam, F) **359,** 139
Seawater carbon measurement, *Scientific correspondence*, (Hedges, J I, Bergamaschi, B A, Ogawa, H, Ogura, N) **359,** 202
Short residence time of colloids in the upper ocean estimated from ^{238}U-^{234}Th disequilibria, *Letter to Nature*, (Moran, S B, Buesseler, K O) **359,** 221
Evidence from nitrogen isotope ratios for enhanced productivity during formation of eastern Mediterranean sapropels, *Letter to Nature*, (Calvert, S E, Nielsen, B, Fontugne, M R) **359,** 223
Reconciling particulate organic carbon flux and sediment community oxygen consumption in the deep North Pacific, *Letter to Nature*, (Smith, K L Jr, Baldwin, R J, Williams, P M) **359,** 313
Organic chemistry. Molecular container compounds, *Review article*, (Cram, D J) **356,** 29
Rough-flat-rough transition of crystal surfaces, *Letter to Nature*, (Liu, X-Y, Bennema, P, van der Eerden, J P) **356,** 778
A new hydrocarbon cage, *News and views*, (Lindoy, L F) **359,** 778
Organic ferromagnets. Lattice structure of the fullerene ferromagnet TDAE-C_{60}, *Letter to Nature*, (Stephens, P W, Cox, D, Lauher, J W, Mihaly, L, Wiley, J B, Allemand, P-M, Hirsch, A, Holczer, K, Li, Q, Thompson, J D, Wudl, F) **355,** 331
Organic geochemistry. A new class of natural products revealed by 3β-alkyl steranes in petroleum, *Letter to Nature*, (Dahl, J, Moldowan, J M, McCaffrey, M A, Lipton, P A) **355,** 154
Organic synthesis, origin of life. Endogenous production, exogenous delivery and impact-shock synthesis of organic molecules: an inventory for the origins of life, *Review article*, (Chyba, C, Sagan, C) **355,** 125
Organometallic chemistry. Observation of hypervalent CLi, by Knudsen-effusion mass spectrometry, *Letter to Nature*, (Kudo, H) **355,** 432
Origin of life. Endogenous production, exogenous delivery and impact-shock synthesis of organic molecules: an inventory for the origins of life, *Review article*, (Chyba, C, Sagan, C) **355,** 125
Origin recognition complex. Protein-DNA interactions at a yeast replication origin, *Letter to Nature*, (Diffley, J F X, Cocker, J H) **357,** 169
Ornithine decarboxylase. Ornithine decarboxylase activity is critical for cell transformation, *Letter to Nature*, (Auvinen, M, Paasinen, A, Andersson, L C, Hölttä, E) **360,** 355
Ornithine decarboxylase is degraded by the 26S proteasome without ubiquitination, *Letter to Nature*, (Murakami, Y, Matsufuji, S, Kameji, T, Hayashi, S, Igarashi, K, Tamura, T, Tanaka, K, Ichihara, A) **360,** 597
Orogenesis. Climate and landscape response, *Scientific correspondence*, (Summerfield, M A, Kirkbride, M P) **355,** 306
Climate and landscape response: Reply, *Scientific correspondence*, (Molnar, P, England, P) **355,** 306
Orphan drugs. A new kind of orphan drug?, *Correspondence*, (Allerberger, F, Dierich, M P) **357,** 531
Drug development: Orphan drug windfalls?, *News*, (Gershon, D) **355,** 381
Osborn, Henry Fairfield. An agenda for antiquity: Henry Fairfield Osborn and vertebrate paleontology at the American Museum of Natural History, 1890-1935, *Book review by* Krishtalka, L, **355,** 405
Oscillators. Two into nothing, *News and views*, **355,** 22
Oscillatory zoning. Experimentally produced oscillatory zoning in the (Ba,Sr)SO, solid solution, *Letter to Nature*, (Putnis, A, Fernandez-Diaz, L, Prieto, M) **358,** 743
***oskar* gene.** Induction of germ cell formation by *oskar*, *Article*, (Ephrussi, A, Lehmann, R) **358,** 387
Developmental biology: The germ of the issue, *News and views*, (Strome, S) **358,** 368
Osmoregulation. Novel NADPH-binding domain revealed by the crystal structure of aldose reductase, *Letter to Nature*, (Rondeau, J-M, Tête-Favier, F, Podjarny, A, Reymann, J-M, Barth, P, Biellmann, J-F, Moras, D) **355,** 469
Ovalbumin. Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270
Ovalocytosis. Defective anion transport activity of the abnormal band 3 in hereditary ovalcytic red blood cells, *Letter to Nature*, (Schofield, A E, Reardon, D M, Tanner, M J A) **355,** 836
Overhauser effect. Different conformations for the same polypeptide bound to chaperones DnaK and GroEL, *Letter to Nature*, (Landry, S J, Jordan, R, McMacken, R, Gierasch, L M) **355,** 455
Oxford English Dictionary. *OED* on CD, *News*, (Tallack, P) **357,** 615
Oxygen chemistry. Oxygen chemistry, *Book review by* Griffith, W P, **356,** 298
Oxygen activation and the conservation of energy in cell respiration, *Review article*, (Babcock, G T, Wikström, M) **356,** 301
Oxygen isotope analysis. Upset for Milankovitch theory, *News and views*, (Broecker, W S) **359,** 779
Oxygen, atmospheric. Seasonal and interannual variations in atmospheric oxygen and implications for the global carbon cycle, *Article*, (Keeling, R F, Shertz, S R) **358,** 723
Atmospheric evolution: Life and the rock cycle, *News and views*, (Veizer, J) **359,** 587
Carbon isotope evidence for the stepwise oxidation of the Proterozoic environment, *Article*, (Des Marais, D J, Strauss, H, Summons, R E, Hayes, J M) **359,** 605
Global change: diminishing oxygen, *News and views*, (Broecker, W S, Severinghaus, J P) **358,** 710
Oxytocin receptor. Structure and expression of a human oxytocin receptor, *Letter to Nature*, (Kimura, T, Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) **356,** 526
Structure and expression of a human oxytocin receptor (Correction), *Letter to Nature*, (Kimura, T, Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) **357,** 176
Ozone depletion, Antarctic. Ozone depletion: Volcanic aerosols implicated, *News and views*, (Brasseur, G) **359,** 275
Observation and possible causes of new ozone depletion in Antarctica in 1991, *Article*, (Hofmann, D J, Oltmans, S J, Harris, J M, Solomon, S, Deshler, T, Johnson, B J) **359,** 283
Ozone depletion, Arctic. Bromoform emission from Arctic ice algae, *Letter to Nature*, (Sturges, W T, Cota, G F, Buckley, P T) **358,** 660
Surface ozone depletion in Arctic spring sustained by bromine reactions on aerosols, *Letter to Nature*, (Fan, S-M, Jacob, D J) **359,** 522
Photochemical bromine production implicated in Arctic boundary-layer ozone, *Letter to Nature*, (McConnell, J C, Henderson, G S, Barrie, L, Bottenheim, J, Niki, H, Langford, C H, Templeton, E M J) **355,** 150
Ozone depletion: Cold comfort in the greenhouse, *News and views*, (Kiehl, J T) **355,** 773
Radiative forcing of climate from halocarbon-induced global stratospheric ozone loss, *Letter to Nature*, (Ramaswamy, V, Schwarzkopf, M D, Shine, K P) **355,** 810
Ozone depletion. Ozone depletion: Ultraviolet on the increase, *News and views*, (Crutzen, P J) **356,** 104
Ozone: UV researchers opt for a compromise, *News*, (Anderson, C) **356,** 186
Hiding from the midday Sun, *Opinion*, **356,** 643
Time-dependent ozone depletion potentials for short- and long-term forecasts, *Review article*, (Solomon, S, Albritton, D L) **357,** 33
Global environmental engineering, *Commentary*, (Cicerone, R J, Elliott, S, Turco, R P) **356,** 472
Seasonal cycle of surface ozone over the western North Atlantic, *Letter to Nature*, (Oltmans, S J, Levy II, H) **358,** 392
Action spectrum for DNA damage in alfalfa lowers predicted impact of ozone depletion, *Letter to Nature*, (Quaite, F E, Sutherland, B M, Sutherland, J C) **358,** 576
Ozone depletion in the upper stratosphere estimated from satellite and Space Shuttle data, *Letter to Nature*, (Hilsenrath, E, Cebula, R, Jackman, C H) **358,** 131
Possibility of an Arctic ozone hole in a doubled-CO_2 climate, *Article*, (Austin, J, Butchart, N, Shine, K P) **360,** 221
Global change: A looming Arctic ozone hole?, *News and views*, (Mahlman, J D) **360,** 209
Evidence for photochemical control of ozone concentrations in unpolluted marine air, *Letter to Nature*, (Ayers, G P, Penkett, S A, Gillett, R W, Bandy, B, Galbally, I E, Meyer, C P, Elsworth, C M, Bentley, S T, Forgan, B W) **360,** 446
More rapid polar ozone depletion through the reaction of HOCl with HCl on polar stratospheric clouds, *Letter to Nature*, (Prather, M J) **355,** 534
Global change: US research could lose lustre, *News*, (Mervis, J) **355,** 578
Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662
Ozone reduction. Enhancements in biologically effective ultraviolet radiation following volcanic eruptions, *Letter to Nature*, (Vogelmann, A M, Ackerman, T P, Turco, R P) **359,** 47
Ozone, stratospheric. Increased ultraviolet radiation in New Zealand (45°S) relative to Germany (48°N), *Letter to Nature*, (Seckmeyer, G, McKenzie, R L) **359,** 135
Ozone, tropospheric. Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69
More questions on forest decline, *Scientific correspondence*, (Simonaitis, R, Olszyna, K J, Meagher, J F) **355,** 402
Ozone. Ozone depletion: Mixed Arctic results, *News*, (Mundell, I) **356,** 552
P-glycoprotein. Volume-regulated chloride channels associated with the human multidrug-resistance P-glycoprotein, *Letter to Nature*, (Valverde, M A, Diaz, M, Sepúlveda, F V) **355,** 830
P-selectin. Leukocyte accumulation promoting fibrin deposition is mediated in vivo by P-selectin on adherent platelets, *Letter to Nature*, (Palabrica, T, Lobb, R, Furie, B C, Aronovitz, M, Benjamin, C, Hsu, Y-M, Sajer, S A, Furie, B) **359,** 848
p107 protein. Independent binding of the retinoblastoma protein and p107 to the transcription factor E2F, *Letter to Na-*

ture, (Cao, L, Faha, B, Dembski, M, Tsai, L-H, Harlow, E, Dyson, N) **355,** 176
p41 molecule. Antigen presentation enhanced by the alternatively spliced invariant chain gene product p41, *Letter to Nature*, (Peterson, M, Miller, J) **357,** 596
p53 protein. Mice deficient for p53 are developmentally normal but susceptible to spontaneous tumours, *Article*, (Donehower, L A, Harvey, M, Slagle, B L, McArthur, M J, Montgomery, C A, Butel, J S, Bradley, A) **356,** 215
Clonal expansion of p53 mutant cells is associated with brain tumour progression, *Letter to Nature*, (Sidransky, D, Mikkelsen, T, Schwechhcimer, K, Rosenblum, M L, Cavanee, W, Vogelstein, B) **355,** 846
Inhibition of p53 transactivation required for transformation by adenovirus early 1B protein, *Letter to Nature*, (Yew, P R, Berk, A J) **357,** 82
Cancer: p53, guardian of the genome, *News and views*, (Lane, D P) **358,** 15
Amplification of a gene encoding a p53-associated protein in human sarcomas, *Letter to Nature*, (Oliner, J D, Kinzler, K W, Meltzer, P S, George, D L, Vogelstein, B) **358,** 80
Wild-type p53 activates transcription *in vitro*, *Letter to Nature*, (Farmer, G, Bargonetti, J, Zhu, H, Friedman, P, Prywes, R, Prives, C) **358,** 83
Checkpoint policing by p53, *Scientific correspondence*, (Carr, A M, Green, M H L, Lehmann, A R, Lane, D P) **359,** 486
Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature*, (Goodrich, D W, Lee, W -H) **360,** 177
Erratum: Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature*, (Goodrich, D W, Lee, W -H) **360,** 491
p56 proteins. Profound block in thymocyte development in mice lacking $p56^{lck}$, *Letter to Nature*, (Molina, T J, Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) **357,** 161
p69 protein. Diabetes: Breast may well be best, *News and views*, (Baxter, A G, Cooke, A) **359,** 194
Pain relief. Natural products: Sponges to wipe away pain, *News and views*, (Mann, J) **358,** 540
Pain. Defeating pain: The war against a silent epidemic, *Book review by* Duggan, A W. **356,** 120
The culture of pain, *Book review by* Duggan, A W. **356,** 120
Peripheral nerve injury triggers central sprouting of myelinated afferents, *Letter to Nature*, (Woolf, C J, Shortland, P, Coggeshall, R E) **355,** 75
Palaeoanthropology. *Otavipithecus namibiensis*, first Miocene hominoid from southern Africa, *Letter to Nature*, (Conroy, G C, Pickford, M, Senut, B, Van Couvering, J, Mein, P) **356,** 144
Palaeoanthropology: An ape from the south, *News and views*, (Andrews, P) **356,** 106
Neanderthal dates debated, *Scientific correspondence*, (Wolpoff, M H, Frayer, D W) **356,** 200
Neanderthal dates debated: Reply, *Scientific correspondence*, (Stringer, C) **356,** 201
Second gorilla or third chimp?, *News and views*, (Dean, D, Delson, E) **359,** 676
The earliest Acheulean from Konso-Gardula, *Letter to Nature*, (Asfaw, B, Beyene, Y, Suwa, G, Walter, R C, White, T D, WoldeGabriel, G, Yemane, T) **360,** 732
Palaeoanthropology: A remote sense for fossils, *News and views*, (Wood, B) **355,** 397
Language gap, *Scientific correspondence*, (Davidson, I, Noble, W, Davidson, I, Noble, W) **355,** 403
Language gap: Reply, *Scientific correspondence*, (Foley, R) **355,** 404
Palaeoanthropology. Old bones match old stones, *News and views*, (Wood, B) **355,** 678
Palaeobotany. Plants at the K/T boundary, *Scientific correspondence*, (Nichols, D J, Hickey, L J, McWeeney, L J) **356,** 295
Plants at the K/T boundary: Reply, *Scientific correspondence*, (Wolfe, J A) **356,** 296
A vascular conducting strand in the early land plant *Cooksonia*, *Letter to Nature*, (Edwards, D, Davies, K L, Axe, L) **357,** 683
Palaeobotany: Vascular pipe dreams, *News and views*, (Hemsley, A R) **357,** 641
Saharan exploitation of plants 8,000 years BP, *Letter to Nature*, (Wendorf, F, Close, A E, Schild, R, Wasylikowa, K, Housley, R A, Harian, J R, Krolik, H) **359,** 721
Winged Late Devonian seeds, *Scientific correspondence*, (Rowe, N P) **359,** 682
Palaeoceanography. Upwelling and productivity changes inferred from a temperature record in the central equatorial Pacific, *Letter to Nature*, (Lyle, M W, Prahl, F G, Sparrow, M A) **355,** 812
Molecular record of secular sea surface temperature changes on 100-year timescales for glacial terminations I, II and IV, *Letter to Nature*, (Eglinton, G, Bradshaw, S A, Rosell, A, Sarnthein, M, Pflaumann, U, Tiedemann, R) **356,** 423
Seawater Sr isotope variation over the past 300 kyr and influence of global climate cycles, *Letter to Nature*, (Dia, A N, Cohen, A S, O'Nions, R K, Shackleton, N J) **356,** 786
Climatology: Molecules record sea change, *News and views*, (Lyle, M) **356,** 385
Glacial-to-interglacial variations in the carbon isotopic composition of atmospheric CO_2, *Article*, (Marino, B D, McElroy, M B, Salawitch, R J, Spaulding, W G) **357,** 461
Climate change: Packing away carbon isotopes, *News and views*, (Keir, R) **357,** 445
Antarctic ice volume and contribution to sea-level fall at 20,000 yr BP from raised beaches, *Letter to Nature*, (Colhoun, E A, Mabin, M C G, Adamson, D A, Kirk, R M) **358,** 316
Glaciation: A case of missing water, *News and views*, (Andrews, J T) **358,** 281
Evidence from Cd/Ca ratios in foraminifera for greater upwelling off California 4,000 years ago, *Letter to Nature*, (van Geen, A, Luoma, S N, Fuller, C C, Anima, R, Clifton, H E, Trumbore, S) **358,** 54
Evidence from nitrogen isotope ratios for enhanced productivity during formation of eastern Mediterranean sapropels, *Letter to Nature*, (Calvert, S E, Nielsen, B, Fontugne, M R) **359,** 223
Palaeoclimatology, Mars. Martian moraines, *News and views*, **355,** 209
Palaeoclimatology. Sudden changes in North Atlantic circulation during the last deglaciation, *Article*, (Lehman, S J, Keigwin, L D) **356,** 757
Seawater Sr isotope variation over the past 300 kyr and influence of global climate cycles, *Letter to Nature*, (Dia, A N, Cohen, A S, O'Nions, R K, Shackleton, N J) **356,** 786
Molecular records of twentieth-century El Niño events in laminated sediments from the Santa Barbara basin, *Letter to Nature*, (Kennedy, J A, Brassell, S C) **357,** 62
Climate: Deep ocean circulation puzzle, *News and views*, (Zahn, R) **356,** 744
Possible methane-induced polar warming in the early Eocene, *Letter to Nature*, (Sloan, L C, Walker, J C G, Moore Jr, T C, Rea, D K, Zachos, J C) **357,** 320
Glacial-to-interglacial variations in the carbon isotopic composition of atmospheric CO_2, *Article*, (Marino, B D, McElroy, M B, Salawitch, R J, Spaulding, W G) **357,** 461
Carbon isotope composition of atmospheric CO_2 during the last ice age from an Antarctic ice core, *Letter to Nature*, (Leuenberger, M, Siegenthaler, U, Langway, C C) **357,** 488
Climate change: Packing away carbon isotopes, *News and views*, (Keir, R) **357,** 445
Carbon stores in vegetation, *Scientific correspondence*, (Kern, R A, Schlesinger, W H) **357,** 447
Palaeo-CO_2 and climate, *Scientific correspondence*, (Berner, R A) **358,** 114
Correlation between isotope records in marine and continental carbon reservoirs near the Palaeocene/Eocene boundary, *Letter to Nature*, (Koch, P L, Zachos, J C, Gingerich, P D) **358,** 319
Deep circulation revisited, *Scientific correspondence*, (Lehmann, S J, Keigwin, L D) **358,** 197
Frequency variations of the Earth's obliquity and the 100-kyr ice-age cycles, *Letter to Nature*, (Liu, H-S) **358,** 397
Upset for Milankovitch theory, *News and views*, (Broecker, W S) **359,** 779
Late Quaternary Environmental Change: Physical and Human Perspectives, *Book review by* Mannion, A M. **359,** 787
Palaeoclimatology: The algal breath of life, *News and views*, (Riding, R) **359,** 13
Evidence for massive discharges of icebergs into the North Atlantic ocean during the last glacial period, *Letter to Nature*, (Bond, G, Heinrich, H, Broecker, W, Labeyrie, L, McManus, J, Andrews, J, Huon, S, Jantschik, R, Clasen, S, Simet, C, Tedesco, K, Klas, M, Bonani, G, Ivy, S) **360,** 245
Climate change: Following iceberg footprints, *News and views*, (Jansen, E) **360,** 212
Palaeoclimatology: Avoiding a permanent ice age, *News and views*, (Kuhn, W R) **359,** 196
Susceptibility of the early Earth to irreversible glaciation caused by carbon dioxide clouds, *Letter to Nature*, (Caldeira, K, Kasting, J F) **359,** 226
Palaeoclimatology: Merely the tip of the ice core, *News and views*, (Peel, D) **359,** 274
Irregular glacial interstadials recorded in a new Greenland ice core, *Letter to Nature*, (Johnsen, S J, Clausen, H B, Dansgaard, W, Fuhrer, K, Gundestrup, N, Hammer, C U, Iversen, P, Jouzel, J, Stauffer, B, Steffensen, J P) **359,** 311
Deriving global climate sensitivity from palaeoclimate reconstructions, *Letter to Nature*, (Hoffert, M I, Covey, C) **360,** 573
Sensitivity of the Indian monsoon to forcing parameters and implications for its evolution, *Article*, (Prell, W L, Kutzbach, J E) **360,** 647
Mediterranean vegetation, lake levels and palaeoclimate at the Last Glacial Maximum, *Letter to Nature*, (Prentice, I C, Guiot, J, Harrison, S P) **360,** 658
Global change: Lessons from past climates, *News and views*, (Barron, E J) **360,** 533
Frosty reception, *News and views*, **360,** 536
Ancient atmospheric CO_2 pressures inferred from natural goethites, *Letter to Nature*, (Yapp, C J, Poths, H) **355,** 342
Palaeoclimate: Paradox lost and paradox found, *News and views*, (Kasting, J F) **355,** 676
Methane and Milankovitch cycles, *Scientific correspondence*, (Adams, J M, Faure, H, Petit-Maire, N) **355,** 214
Evidence from Southern Ocean sediments for the effect of North Atlantic deep-water flux on climate, *Article*, (Charles, C D, Fairbanks, R G) **355,** 416
Will greenhouse warming lead to Northern Hemisphere ice-sheet growth?, *Letter to Nature*, (Miller, G H, de Vernal, A) **355,** 244
Palaeoecology. Mediterranean vegetation, lake levels and palaeoclimate at the Last Glacial Maximum, *Letter to Nature*, (Prentice, I C, Guiot, J, Harrison, S P) **360,** 658
Palaeolithic art. Palaeolithic art found in China, *Scientific correspondence*, (Bednarik, R G) **356,** 116
Palaeomagnetism. Polar path in geomagnetic reversals, *Miscellany*, (Runcorn, S K) **356,** 654
Evidence for dipolar fields during the Cobb Mountain geomagnetic polarity reversals, *Letter to Nature*, (Clement, B M) **358,** 405
Palaeomagnetism: Magnetic domains to geologic terranes, *Book review by* Fuller, M. **358,** 382
Dipolar reversal states of the geomagnetic field and core-mantle dynamics, *Article*, (Hoffman, K A) **359,** 789
Tilt and northward offset of Cordilleran batholiths resolved using igneous barometry, *Letter to Nature*, (Ague, J J, Brandon, M T) **360,** 146
Palaeontology, India. Indian palaeontology: Back from the dead, *News*, (Maddox, J) **355,** 578
Palaeontology. Fossilized eggs from Illinois, *Scientific correspondence*, (Godfrey, S J) **356,** 21
Earliest known Australian Tertiary mammal fauna, *Letter to Nature*, (Godthelp, H, Archer, M, Cifelli, R, Hand, S J, Gilkeson, C F) **356,** 514
First discovery of monotremes in South America, *Letter to Nature*, (Pascual, R, Archer, M, Jaureguizar, E O, Prado, J L, Godthelp, H, Hand, S J) **356,** 704
All spruced up, *News and views*, **356,** 563
Political pressure?, *Correspondence*, (Soni, M G) **356,** 652
Recovering Bacon's paradox, *Correspondence*, (Gould, S J) **356,** 653
Archaeopteryx fossil disappears from private collection, *News*, (Abbott, A) **357,** 6
New Middle Pleistocene hominid crania from Yunxian in China, *Letter to Nature*, (Tianyuan, L, Etler, D A) **357,** 404
Parasitism in a 400-million-year-old green alga, *Letter to Nature*, (Taylor, T N, Remy, W, Hass, H) **357,** 493
Post-Jurassic mammal-like reptile from the Palaeocene, *Letter to Nature*, (Fox, R C, Youzwyshyn, G P, Krause, D W) **358,** 233
Palaeontology: Wandering across time, *News and views*, (Novacek, M J) **358,** 192
Gliding light, *News and views*, **358,** 281
Palaeontology: Something completely different, *News and views*, (Gee, H) **358,** 456
A new link between theropods and birds from the Cretaceous of Mongolia, *Letter to Nature*, (Elzanowski, A, Wellnhofer, P) **359,** 821
Clams before Columbus?, *Scientific correspondence*, (Petersen, K S, Rasmussen, K L, Heinemeier, J, Rud, N) **359,** 679
He's not heavy, he's my fossil, *News*, **358,** 704
Palaeontology: Twilight of the pygmy hippos, *News and views*, (Diamond, J M) **359,** 15
No Palaeocene 'mammal-like reptile', *Scientific correspondence*, (Sues, H-D) **359,** 278
Ichnos: An international journal for plant and animal traces, *Journal review*, (Yochelson, E L, Pemberton, S G, Frey, R W) **359,** 452
Insect fossils: End of the 'Uniramia' taxon, *News and views*, (Shear, W A) **359,** 477
Blade-shaped conodont elements functioned as cutting teeth, *Letter to Nature*, (Purnell, M A, von Bitter, P H) **359,** 629
The facts of life: Shattering the myth of Darwinism, *Book review by* Nisbet, E G. **360,** 390
By their teeth ye shall know them, *News and views*, (Gee, H) **360,** 529
Palaeocene therapsid debate, *Scientific correspondence*, (Fox, R C, Youzwyshyn, G P, Krause, D W) **360,** 540
Scenes from deep time: Early pictorial representations of the prehistoric world, *Book review by* Sarjeant, W A S. **360,** 543
Ancient error, *Correspondence*, (Erzincliogiu, Z) **355,** 195
Palaeontology: In the Grube in the Eocene, *News and views*, (Krishtalka, L) **355,** 296
Santana fossils: An illustrated atlas, *Book review by* Davis, P G. **355,** 218
Indian rope trick, *Opinion*, **355,** 660
An agenda for antiquity: Henry Fairfield Osborn and vertebrate paleontology at the American Museum of Natural History, 1890-1935, *Book review by* Krishtalka, L. **355,** 405
Steps in time, *News and views*, **355,** 110
Evolution and environment in the Hominoidea, *Review article*, (Andrews, P) **360,** 641
Koobi Fora research project. Volume 4: Hominid cranial remains, *Book review by* Delson, E. **360,** 544
Pancreas. Electrical bursting in islet ß cells, *Scientific correspondence*, (Cook, D L) **357,** 28
Electrical bursting in islet ß cells: Reply, *Scientific correspondence*, (Rorsman, P, Berggren, P-O) **357,** 28
Panic, Milan. Head of US drug company takes Serbian post, *News*, (Watson, T) **358,** 100
Paper, radioactivity. Measuring shelf afterlife, *Scientific correspondence*, (Singh, B, Taylor, H W) **356,** 293
Papilloma, virus. Immunogenetics: Viruses, cancer and the MHC, *News and views*, (Klitz, W) **356,** 17

Linkage of regression and malignant conversion of rabbit viral papillomas to MHC class II genes, *Letter to Nature*, (Han, R. Breitburd, F. Marche, P N. Orth, G) **356,** 66

Papillomavirus. Transcription factors: DNA recognition, warts and all, *News and views*, (Kuriyan, J. Burley, S K) **359,** 476

Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target, *Article*, (Hegde, R S. Grossman, S R. Laimins, L A. Sigler, P B) **359,** 505

Paracelsus. The French Paracelsians: The chemical challenge to medical and scientific tradition in early modern France, *Book review by* Crosland, M. **356,** 204

Parallel computing. Japanese computing: Computing in the real world, *News*, (Swinbanks, D. Abbott, A. Mundell, I) **356,** 734

Parascience. Psychics in court, *Opinion*, **355,** 284

Parasitic birds. Defence costs, *News and views*, **357,** 17

Parasitic fungi. Parasitism in a 400-million-year-old green alga, *Letter to Nature*, (Taylor, T N. Remy, W. Hass, H) **357,** 493

Parasitology. The malaria capers: More tales of parasites and people, research and reality, *Book review by* Goodwin, L. **356,** 300

Malaria: Waiting for the vaccine, *Book review by* Goodwin, L. **356,** 300

Parasitology: Skirmishes on the border, *News and views*, (Donelson, J E. Fulton, A B) **356,** 480

Rapid switching to multiple antigenic and adhesive phenotypes in malaria, *Letter to Nature*, (Roberts, D J. Craig, A G. Berendt, A R. Pinches, R. Nash, G. Marsh, K. Newbold, C I) **357,** 689

Malaria: Asexual deviants take over, *News and views*, (Howard, R J) **357,** 647

Virulent strains of *Toxoplasma gondii* comprise a single clonal lineage, *Letter to Nature*, (Sibley, L D. Boothroyd, J C) **359,** 82

Malaria: Getting into the liver, *News and views*, (Cox, F E G) **359,** 361

Parent-offspring relationships. Parent-offspring conflict, *Scientific correspondence*, (Brown, J L. Emlen, S T. Wrege, P H) **359,** 24

Parents suppress reproduction and stimulate dispersal in opposite-sex juvenile white-footed mice, *Letter to Nature*, (Wolff, J O) **359,** 409

Parental care. Quantification of role reversal in relative parental investment in a bush cricket, *Letter to Nature*, (Simmons, L W) **358,** 61

Parkinson's disease. Neurobiology: From cell line to brain, *News and views*, (Sanes, J R. Lichtman, J W) **356,** 562

Needed: Fetal tissue research, *News and views*, (Culliton, B J) **355,** 295

Particle accelerators. The meson factories, *Book review by* Miller, D J. **356,** 756

High-energy physics: Casting more light on light, *News and views*, (Miller, D J) **357,** 285

Bush spins tall tale of technology transfer, *News*, (Mervis, J) **358,** 530

Rubbia prods Japanese to pay more to CERN, *News*, (Swinbanks, D) **359,** 5

Japanese scientists begin closed debate on size of contribution to SSC, *News*, (Swinbanks, D) **359,** 177

CERN blames full moon for LEP problems, *News*, (Abbott, A. Pease, R) **360,** 400

Aarhus on the accelerator, *News*, **360,** 518

Particle physics. British physicist to head CERN, *News*, (Mundell, I) **359,** 352

International collaboration: Large Hadron Collider moves ahead, *News*, (Aldhous, P) **355,** 8

CERN officials visit Tokyo, hat in hand, in search of funds for their next big collider, *News*, (Swinbanks, D) **357,** 429

SSC says it holds the edge, *News*, (Mervis, J) **357,** 429

Nonproliferation theory, *News and views*, **358,** 281

Down the tube, *News and views*, **357,** 641

Proton yield, *News and views*, **359,** 106

Questions in particle theory, *Scientific correspondence*, (Schwartz, J) **359,** 112

Buried prospects, *News and views*, **359,** 478

Unrequited search for heavy neutrino, *News and views*, (Maddox, J) **355,** 673

Neutrino physics, *Book review by* Cherry, M L. **355,** 508

Particle suspensions. Loss of homogeneity in a suspension by kinematic action, *Letter to Nature*, (Goldshtik, M. Husain, H S. Hussain, F) **357,** 141

Pas2 protein. The Pas2 protein essential for peroxisome biogenesis is related to ubiquitin-conjugating enzymes, *Letter to Nature*, (Wiebel, F F. Kunau, W-H) **359,** 73

Patent law, US. US prepares to adopt world patent standards, *News*, (Anderson, C. Swinbanks, D) **356,** 645

Report urges software patent fix, *News*, (Anderson, C) **357,** 7

Universities fear being left out by patent reforms, *News*, (Anderson, C) **357,** 7

Patent protection. Intellectual property: Can China keep its end up?, *News*, **356,** 7

Intellectual property: US and India in row, *News*, (Anderson, C) **356,** 7

Patents. Patent error, *News*, (Mateles, R I) **355,** 760

DNA sequences, *Correspondence*, (Auffray, C) **355,** 292

HUGO opposes Venter, *News*, (Aldhous, P) **355,** 194

Patents, AIDS blood test. US rejects French request to reopen AIDS patent deal, *News*, (Anderson, C. Butler, D) **359,** 262

Patents, AIDS test. Let the French sue, *Opinion*, **358,** 2

Patents, biotechnology. Biotech patents: Australia says yes, *News*, (Lawson, M) **356,** 372

NIH patent rights, *Correspondence*, (Pederson, T) **358,** 617

Protesters picket patent office, *News*, (Abbott, A) **360,** 286

Patents, drugs. Merck promises large grant to university if Canada extends patent protection, *News*, (Spurgeon, D) **359,** 351

Patent protection: Canadian drug firms boost R&D spending, *News*, (Spurgeon, D) **355,** 666

Patents, gene sequences. Genome project: Patents, round two, *News*, (Anderson, C) **355,** 665

Patents, genes. Japanese researchers rule out gene patents, *News*, (Swinbanks, D) **356,** 181

Fetal tissue: US senate votes to overturn research ban, *News*, (Anderson, C) **356,** 467

Gene patents, *Correspondence*, (Rothberg, J M) **356,** 738

US to seek gene patents in Europe, *News*, (Anderson, C) **357,** 525

NIH cDNA patent rejected: backers want to amend law, *News*, (Anderson, C) **359,** 263

Patents, Human Genome Project. Human genome: MRC follows NIH on patents, *News*, (Aldhous, P) **356,** 98

Patents, plants. European Patent Office rejects bid to revoke first plant patent, *News*, (Abbott, A) **357,** 525

Patents, polymerase chain reaction. Roche cuts controversial PCR fees, testing limits, *News*, (Anderson, C) **355,** 379

Patents, transgenic animals. EC biotechnology policy: Progress on animal patents, *News*, (Aldhous, P) **355,** 382

Patents, US. Patent office drops plan to raise fees, *News*, (Watson, T) **356,** 645

Pathology. Brain pathology, *Journal review*, (Kosik, K S. Kleihues, P) **359,** 446

Pattern formation. Models for embryonic periodicity, *Book review by* Lawrence, P A. **358,** 720

Pauling, Linus. The chemical bond: structure and dynamics, *Book review by* Atkins, P W. **358,** 550

Pax genes. Zebrafish *pax[b]* is involved in the formation of the midbrain-hindbrain boundary, *Letter to Nature*, (Krauss, S. Maden, M. Holder, N. Wilson, S W) **360,** 87

Pay, academic. What rate for the job?, *Opinion*, **356,** 2

Action on academic pay, *Correspondence*, (Morris, H R) **356,** 10

British academic morale and pay, *Correspondence*, (Perkin, D) **356,** 280

Life on a grant, *Correspondence*, (Ward, B) **357,** 433

Unloved academics, *Opinion*, **358,** 263

Hungarian law will protect academics strapped for cash, *News*, (Abbott, A) **359,** 180

British academic morale and pay, *News*, (Harrison, D. Gillett, R. Clemens, M J) **356,** 280

Pebbles. Why pebbles float to the surface, *News and views*, (Maddox, J) **358,** 535

Peer review. Coincidence or conspiracy?, *News*, (Anderson, C) **355,** 753

Is peer review unbiased?, *Correspondence*, (Starr, C) **357,** 354

Peer review, *Correspondence*, (Negus, J A) **358,** 364

Struggles to correct published errors, *Commentary*, (Menger, F M. Haim, A) **359,** 666

Conflicts of interest declared, *News and views*, (Maddox, J) **360,** 205

More errors in errors, *Correspondence*, (Bard, A J) **360,** 404

Genuine genius, *Correspondence*, (Leavitt, F J) **360,** 505

UK systematic biology: Peers slam peer review, *News*, (Gee, H) **355,** 488

Pelizaeus-Merzbacher disease. Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene, *Letter to Nature*, (Schneider, A. Montague, P. Griffiths, I. Fanarraga, M. Kennedy, P. Brophy, P. Nave, K-A) **358,** 758

Penguins. Foraging behaviour of emperor penguins as a resource detector in winter and summer, *Letter to Nature*, (Ancel, A. Kooyman, G L. Ponganis, P J. Gendner, J-P. Lignon, J. Mestre, X. Huin, N. Thorson, P H. Robisson, P. Le Maho, Y) **360,** 336

Penicillin resistance. Molecular structure of the acyl-enzyme intermediate in ß-lactam hydrolysis at 1.7Å resolution, *Article*, (Strynadka, N C J. Adachi, H. Jensen, S E. Johns, K. Sielecki, A. Betzel, C. Sutoh, K. James, M N G) **359,** 700

Drug ring bust, *News and views*, (Riddihough, G) **359,** 674

Peptide processing. Proteasome subunits encoded in the MHC are not generally required for the processing of peptides bound by MHC class I molecules, *Letter to Nature*, (Arnold, D. Driscoll, J. Androlewicz, M. Hughes, E. Cresswell, P. Spies, T) **360,** 171

Proteasome subunits encoded by the major histocompatibility complex are not essential for antigen presentation, *Letter to Nature*, (Momburg, F. Ortiz-Navarrete, V. Neefjes, J. Goulmy, E. van de Wal, Y. Spits, H. Powis, S J. Butcher, G W. Howard, J C. Walden, P. Hämmerling, G J) **360,** 174

Perception. Addition and subtraction by human infants, *Letter to Nature*, (Wynn, K) **358,** 749

Developmental psychology: Arithmetic in the cradle, *News and views*, (Bryant, P E) **358,** 712

Columns for visual features of objects in monkey inferotemporal cortex, *Letter to Nature*, (Fujita, I. Tanaka, K. Ito, M. Cheng, K) **360,** 343

Surfaces versus features in visual search, *Letter to Nature*, (He, Z J. Nakayama, K) **359,** 231

Neurobiology: Elements of visual perception, *News and views*, (Stryker, M P) **360,** 301

Perceptual motion coherence. Neural correlates of perceptual motion coherence, *Letter to Nature*, (Stoner, G R. Albright, T D) **358,** 412

Peridotites, mineralogy. Formation of harzburgite by pervasive melt/rock reaction in the upper mantle, *Article*, (Kelemen, P B. Dick, H J B. Quick, J E) **358,** 635

Peridotites. Evidence for melt segregation towards fractures in the Horoman mantle peridotite complex, *Letter to Nature*, (Takahashi, N) **359,** 52

Geochemical evidence for melt migration and reaction in the upper mantle, *Letter to Nature*, (Takazawa, E. Frey, F A. Shimizu, N. Obata, M. Bodinier, J L) **359,** 55

Periodic Table. New dimensions for Mendeleev, *News and views*, (Maddox, J) **356,** 13

New dimension for Mendeleev, *Scientific correspondence*, (Pauling, L) **357,** 26

A three-dimensional periodic table, *Scientific correspondence*, (Magarshak, Y. Malinsky, J) **360,** 114

Perkin-Elmer. Perkin-Elmer to buy Applied Biosystems to broaden markets, *News*, (Gershon, D) **359,** 570

Perovskites. Origin of ferroelectricity in perovskite oxides, *Letter to Nature*, (Cohen, R E) **358,** 136

Ferroelectricity in oxides, *Scientific correspondence*, (Bussmann-Holder, A. Büttner, H) **360,** 541

Peroxides, atmospheric. More questions on forest decline, *Scientific correspondence*, (Simonaitis, R. Olszyna, K J. Meagher, J F) **355,** 402

Peroxisomes. Convergence of 9-*cis* retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors, *Letter to Nature*, (Kliewer, S A. Umesono, K. Noonan, D J. Heyman, R A. Evans, R M) **358,** 771

The Pas2 protein essential for peroxisome biogenesis is related to ubiquitin-conjugating enzymes, *Letter to Nature*, (Wiebel, F F. Kunau, W-H) **359,** 73

Pesticide deaths. Insecticide death, *Correspondence*, (Mattoo, B M) **356,** 374

Pesticides. The British Medical Association guide to pesticides and health, *Book review by* Hay, A. **357,** 653

Handbook of pesticide toxicology: Vol. 1, general principles; Vol. 2, classes of pesticides; Vol. 3, classes of pesticides, *Book review by* Hay, A. **357,** 653

Fate of pesticides and chemicals in the environment, *Book review by* Hay, A. **357,** 653

Researchers ask for help to save key biopesticide, *News*, (Anderson, C) **355,** 661

Petroleum industry. British Petroleum to slash US and UK research staff, *News*, (Abbott, A) **358,** 528

Petroleum. A new class of natural products revealed by 3ß-alkyl steranes in petroleum, *Letter to Nature*, (Dahl, J. Moldowan, J M. McCaffrey, M A. Lipton, P A) **355,** 154

Petrology, metamorphic. The timing of mineral growth across a regional metamorphic sequence, *Letter to Nature*, (Burton, K W. O'Nions, R K) **357,** 235

Petrology, sedimentary. Material flux and porosity changes during sediment diagenesis, *Letter to Nature*, (Gluyas, J. Coleman, M) **356,** 52

PH-30. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion, *Letter to Nature*, (Blobel, C P. Wolfsberg, T G. Turck, C W. Myles, D G. Primakoff, P. White, J M) **356,** 248

Cell biology: A family of fusion proteins, *News and views*, (Aitken, J) **356,** 196

Pharmaceutical companies, drug trials. US drug trials said to ignore gender differences, *News*, (Watson, T) **360,** 6

Pharmaceutical industry. Merck v. Glaxo: The billion-dollar battle, *Book review by* Medawar, C. **357,** 651

The aspirin wars: Money, medicine and 100 years of rampant competition, *Book review by* Medawar, C. **357,** 651

ICI splits in two, forms drugs company, *News*, (Mundell, I) **358,** 443

If biological diversity has a price, who sets it and who should benefit?, *News*, (Gershon, D) **359,** 565

SKB announces UK redundancies and realignment, *News*, (Abbott, A. Mundell, I) **359,** 96

Merck promises large grant to university if Canada extends patent protection, *News*, (Spurgeon, D) **359,** 351

Patent protection: Canadian drug firms boost R&D spending, *News*, (Spurgeon, D) **355,** 666

Drug development: Orphan drug windfalls?, *News*, (Gershon, D) **355,** 381

Pharmaceutical industry: Glaxo benches top manager, *News*, (Aldhous, P) **355,** 665

Pharmaceuticals. Orphan drugs, *Correspondence*, (Blanchard, T) **358,** 534

Pharmacogenetics. Pharmacogenetics, *Journal review*, (Phillips, I R. Idle, J R. Gonzalez, F J. Kato, R. Phillips, I R. Idle, J R. Gonzalez, F J. Kato, R) **359,** 444

Pharmacology. Molecular neuropharmacology, *Journal review*, (Enna, S J. Woodruff, G N) **359,** 445

Phase separation. Unmixing of hot inorganic melts, *Scientific correspondence*, (Navrotsky, A) **360,** 306

Phase transitions, subduction. Seismological evidence for metastable olivine inside a subducting slab, *Letter to Nature*, (Iidaka, T. Suetsugu, D) **356,** 593

Phase transitions. Rough-flat-rough transition of crystal surfaces, *Letter to Nature*, (Liu, X-Y. Bennema, P. van der Eerden, J P) **356,** 778

Patterns in shrinking gels, *Letter to Nature*, (Tanaka, T, Matsuo, E S) **358,** 482
Are superconductors really superconducting?, *Review article*, (Huse, D A, Fisher, M P A, Fisher, D S) **358,** 553
Densification of nanostructured titania assisted by a phase transformation, *Letter to Nature*, (Kumar, K-N P, Keizer, K, Burggraaf, A J, Okubo, T, Nagamoto, H, Morooka, S) **358,** 48
Crumpled and collapsed conformations in graphite oxide membranes, *Letter to Nature*, (Wen, X, Garland, C W, Hwa, T, Kardar, M, Kokufuta, E, Li, Y, Orkisz, M, Tanaka, T) **355,** 426
Crushing C_{60} to diamond at room temperature, *Letter to Nature*, (Regueiro, M N, Monceau, P, Hodeau, J-L) **355,** 237
Multiple phases of polymer gels, *Letter to Nature*, (Annaka, M, Tanaka, T) **355,** 430
Liquid-hexatic phase transitions in single molecular layers of liquid-crystal films, *Letter to Nature*, (Geer, R, Stoebe, T, Huang, C C, Pindak, R, Goodby, J W, Cheng, M, Ho, J T, Hui, S W) **355,** 152
PhD theses. Thesis defended, *Correspondence*, (Weitzman, D) **355,** 291
Pheromones. Pheromone binding to two rodent urinary proteins revealed by X-ray crystallography, *Letter to Nature*, (Böcskei, Z, Groom, C R, Flower, D R, Wright, C E, Phillips, S E V, Cavaggioni, A, Findlay, J B C, North, A C T) **360,** 186
Chemical communication: The language of pheromones, *Book review by* Crews, D. **359,** 492
Philippines, science tax. Nothing new, *Correspondence*, (Hines, T) **355,** 290
Philipson, Lennart. EMBL director quits after long fight over expansion, *News*, (Abbott, A) **358,** 267
Philosophy of science. Natural selection, *Correspondence*, (Lindh, A G) **358,** 272
The philosopher for science, *Commentary*, (Bondi, H) **358,** 363
What to believe of science, *Correspondence*, (Goodman, S L, Jukes, T H, Gillis, J M) **358,** 271
Misquoted, *Correspondence*, (Davies, R E) **360,** 99
Theophrastus of Eresus: Sources for his life, writings, thought and influence (2 volumes), *Book review by* Temple, R. **359,** 489
Theophrastus: His psychological, doxographical and scientific writings, *Book review by* Temple, R. **359,** 489
The geography of science, *Book review by* McNeill, W H. **355,** 599
The philosophy of science, *Book review by* Ziman, J. **355,** 408
Philosophy. The mind of God: The scientific basis for a rational world, *Book review by* Price, H. **356,** 632
Bayes or bust? A critical examination of Bayesian confirmation theory, *Book review by* Howson, C. **358,** 552
Estimating Popper's impact, *Correspondence*, (Lindahl, B I B, Welljams-Dorof, A, Wolpert, L) **360,** 204
Popper: success or failure?, *Correspondence*, (Skoyles, J R) **359,** 100
A skeptical biochemist, *Book review by* Reynolds, J. **359,** 203
Minds and machines: Journal for artificial intelligence, philosophy, and cognitive science, *Journal review*, (Fox, J, Fetzer, J H) **359,** 462
In search of a better world: Lectures and essays from thirty years, *Book review by* Ziman, J. **360,** 425
Wittgenstein and Smythies, *Correspondence*, (Smythies, J R) **355,** 490
Phosducin. Phosducin is a protein kinase A-regulated G-protein regulator, *Letter to Nature*, (Bauer, P H, Müller, S, Puzicha, M, Pippig, S, Obermaier, B, Helmreich, E J M, Lohse, M J) **358,** 73
Phosphatidylinositol 4,5-bisphosphate. Requirement of phosphatidylinositol 4,5-bisphosphate for α-actinin function, *Letter to Nature*, (Fukami, K, Furuhashi, K, Inagaki, M, Endo, T, Hatano, S, Takenawa, T) **359,** 150
Phosphatidylinositol. Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca^{2+} flux but not mitogenesis, *Letter to Nature*, (Peters, K G, Marie, J, Wilson, E, Ives, H E, Escobedo, J, Del Rosario, M, Mirda, D, Williams, L T) **358,** 678
Glycosyl-phosphatidylinositol linkage as a mechanism for cell-surface expression of immunoglobulin D, *Letter to Nature*, (Wienands, J, Reth, M) **356,** 246
Phosphatidylinositol(3,4,5)-trisphosphate. Platelet-derived growth factor stimulates synthesis of PtdIns(3,4,5)P, by activating a PtdIns(4,5)P, 3-OH kinase, *Letter to Nature*, (Hawkins, P T, Jackson, T R, Stephens, L R) **358,** 157
Phosphatidylinositol-3-OH kinase. Structure of an SH2 domain of the p85α subunit of phosphatidylinositol-3-OH kinase, *Letter to Nature*, (Booker, G W, Breeze, A L, Downing, A K, Panayotou, G, Gout, I, Waterfield, M D, Campbell, I D) **358,** 684
Phosphoinositidase C. Nuclear localization and signalling activity of phosphoinositidase C_δ in Swiss 3T3 cells, *Letter to Nature*, (Martelli, A M, Gilmour, R S, Bertagnolo, V, Neri, L M, Manzoli, L, Cocco, L) **358,** 242
Phospholipase C. Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca^{2+} flux but not mitogenesis, *Letter to Nature*, (Peters, K G, Marie, J, Wilson, E, Ives, H E, Escobedo, J, Del Rosario, M, Mirda, D, Williams, L T) **358,** 678
Point mutation in FGF receptor eliminates phosphatidylinositol hydrolysis without affecting mitogenesis, *Letter to Nature*, (Mohammadi, M, Dionne, C A, Li, W, Li, N, Spivak, T, Honegger, A M, Jaye, M, Schlessinger, J) **358,** 681
Isozyme-selective stimulation of phospholipase C-β2 by G protein βα-subunits, *Letter to Nature*, (Camps, M, Carozzi, A, Schnabel, P, Scheer, A, Parker, P J, Gierschik, P) **360,** 684
Subunits βα of heterotrimeric G protein activate β2 isoform of phospholipase C, *Letter to Nature*, (Katz, A, Wu, D, Simon, M I) **360,** 686
Photoacoustic sources. Generation of ultrasonic waves from a layered photoacoustic source, *Letter to Nature*, (Sun, T, Diebold, G J) **355,** 806
Photochemistry. Acid test, *News and views*, **359,** 363
Evidence for photochemical control of ozone concentrations in unpolluted marine air, *Letter to Nature*, (Ayers, G P, Penkett, S A, Gillett, R W, Bandy, B, Galbally, I E, Meyer, C P, Elsworth, C M, Bentley, S T, Forgan, B W) **360,** 446
Photochemistry: A bent for charge separation, *News and views*, (Fox, M A) **355,** 500
Long-lived photoinduced charge separation in a redox system trapped in a sol-gel glass, *Letter to Nature*, (Slama-Schwok, A, Ottolenghi, M, Avnir, D) **355,** 240
Photochromism. Photochromism induced in an electrolytically pretreated MoO_3 thin film by visible light, *Letter to Nature*, (Yao, J N, Hashimoto, K, Fujishima, A) **355,** 624
Photoconductivity, fullerenes. Photoconductivity of fullerene-doped polymers, *Letter to Nature*, (Wang, Y) **356,** 585
Photoelectrochemistry. Stable photoinduced charge separation in layered viologen compounds, *Letter to Nature*, (Vermeulen, L A, Thompson, M E) **358,** 656
Solar power: Towards energy storage, *News and views*, (Dutta, P) **358,** 621
Photography. The daguerreotype: Nineteenth-century technology and modern science, *Book review by* Harding, C W. **355,** 689
Herschel and hypo, *News and views*, (Pease, R) **357,** 22
Photolithography. Light work, *News and views*, **357,** 441
Photomicrography. Tuned into good vibrations, *News and views*, (Tallack, P) **360,** 21
Photomorphogenesis. Cytosolic free calcium mediates red light-induced photomorphogenesis, *Letter to Nature*, (Shacklock, P S, Read, N D, Trewavas, A J) **358,** 753
Photoreception. Regulation of deactivation of photoreceptor G protein by its target enzyme and cGMP, *Letter to Nature*, (Arshavsky, V Y, Bownds, M D) **357,** 416
Lipid modification at the N terminus of photoreceptor G-protein α-subunit, *Letter to Nature*, (Kokame, K, Fukada, Y, Yoshizawa, T, Takao, T, Shimonishi, Y) **359,** 749
Visual differences, *News and views*, (Casey, P) **359,** 671
Behavioural biology: Hunt for the magnetoreceptor, *News and views*, (Wehner, R) **359,** 105
Behavioural evidence for use of a light-dependent magnetoreception mechanism by a vertebrate, *Letter to Nature*, (Phillips, J B, Borland, S C) **359,** 142
Pigment of the imagination: A history of phytochrome research, *Book review by* Moore, G R. **359,** 598
Photoreceptors. Rhodopsin inactivation is a modulated process in *Limulus* photoreceptors, *Letter to Nature*, (Richard, E A, Lisman, J E) **356,** 336
Photosynthesis. Genetically modified photosynthetic antenna complexes with blueshifted absorbance bands, *Letter to Nature*, (Fowler, G J S, Visschers, R W, Grief, G G, van Grondelle, R, Hunter, C N) **355,** 848
Nutrient control of phytoplankton photosynthesis in the Western North Atlantic, *Letter to Nature*, (Platt, T, Sathyendranath, S, Ulloa, O, Harrison, W G, Hoepffner, N, Goes, J) **356,** 229
Phototransduction, plants. Plant genetics: Light in the dark, *News and views*, (Meyerowitz, E M) **360,** 419
Phycology. Phycology: What the haptonema is for, *News and views*, (Lewin, R A) **356,** 195
Phylogenetic trees. Human origins, *Scientific correspondence*, (Wills, C) **356,** 389
Phylogenetics. Crystal assembly and phylogenetic evolution in heterococcoliths, *Letter to Nature*, (Young, J R, Didymus, J M, Bown, P R, Prins, B, Mann, S) **356,** 516
More than survivors, *Correspondence*, (Maxson, L R) **356,** 652
Phylogeny. Mammalian phylogeny: shaking the tree, *Review article*, (Novacek, M J) **356,** 121
Confusion of kingdoms, *Scientific correspondence*, (Knowlton, N) **359,** 488
Physical chemistry. A modified cyclodextrin as a guest responsive colour-change indicator, *Letter to Nature*, (Ueno, A, Kuwabara, T, Nakamura, A, Toda, F) **356,** 136
A linear free energy relationship for crystalline solids and aqueous ions, *Letter to Nature*, (Sverjensky, D A, Molling, P A) **356,** 231
Reaction dynamics: Collision complexes clocked in real time, *News and views*, (Grice, R) **359,** 584
Physics, biological. Newton rules biology: A physical approach to biological problems, *Book review by* McMahon, T A. **358,** 294
Physics, mathematical. Forest fires, sandpiles and the like, *News and views*, (Maddox, J) **359,** 359
Physics, theoretical. I E Tamm: Selected papers, *Book review by* Charap, J M. **358,** 201
Physics. Physics lesson, *Correspondence*, (Katz, J) **355,** 490
Physiology. Molecular transduction: Do the ear's links link?, *News and views*, (Ashmore, J, Evans, M) **356,** 111
Concentrating mammalian urine, *Scientific correspondence*, (Greenwald, L) **356,** 295
Calcium-dependent enhancement of calcium current in smooth muscle by calmodulin-dependent protein kinase II, *Letter to Nature*, (McCarron, J G, McGeown, J G, Reardon, S, Ikebe, M, Fay, F S, Walsh, J V) **357,** 74
Mechanical performance of scallop adductor muscle during swimming, *Letter to Nature*, (Marsh, R L, Olson, J M, Guzik, S K) **357,** 411
Physiological and behavioural thermoregulation in bigeye tuna (*Thunnus obesus*), *Letter to Nature*, (Holland, K N, Brill, R W, Chang, R K C, Sibert, J R, Fournier, D A) **358,** 410
Physiology: The work that muscles can do, *News and views*, (McNeill Alexander, R) **357,** 360
Vital circuits: On pumps, pipes, and the workings of circulatory systems, *Book review by* Weatherall, D. **358,** 720
Evolutionary physiology: The red flag of optimality, *News and views*, (Diamond, J M) **355,** 204
Phytochrome. Pigment of the imagination: A history of phytochrome research, *Book review by* Moore, G R. **359,** 598
Phytoplankton blooms. Spring phytoplankton blooms in the absence of vertical water column stratification, *Letter to Nature*, (Townsend, D W, Keller, M D, Sieracki, M E, Ackleson, S G) **360,** 59
Phytoplankton, carbon dioxide. Phytoplankton productivity in the North Pacific ocean since 1900 and implications for absorption of anthropogenic CO_2, *Letter to Nature*, (Falkowski, P G, Wilson, C) **358,** 741
Phytoplankton, photosynthesis. Nutrient control of phytoplankton photosynthesis in the Western North Atlantic, *Letter to Nature*, (Platt, T, Sathyendranath, S, Ulloa, O, Harrison, W G, Hoepffner, N, Goes, J) **356,** 229
Phytoplankton, sea surface temperatures. Molecular record of secular sea surface temperature changes on 100-year timescales for glacial terminations I, II and IV, *Letter to Nature*, (Eglinton, G, Bradshaw, S A, Rosell, A, Sarnthein, M, Pflaumann, U, Tiedemann, R) **356,** 423
Climatology: Molecules record sea change, *News and views*, (Lyle, M) **356,** 385
Phytoplankton, toxic. New 'phantom' dinoflagellate is the causative agent of major estuarine fish kills, *Letter to Nature*, (Burkholder, J-A M, Noga, E J, Hobbs, C H, Glasgow Jr, H B) **360,** 768
Pigment analysis. Soft option for pigment analysis, *News and views*, (Pease, R) **359,** 367
Pigments, visual. Colour vision: Worlds of difference, *News and views*, (Mollon, J) **356,** 378
Pigments. Structural basis of blue-colour development in flower petals from *Commelina communis*, *Letter to Nature*, (Kondo, T, Yoshida, K, Nakagawa, A, Kawai, T, Tamura, H, Goto, T) **358,** 515
Pili. P pili in uropathogenic *E. coli* are composite fibres with distinct fibrillar adhesive tips, *Letter to Nature*, (Kuehn, M J, Heuser, J, Normark, S, Hultgren, S J) **356,** 252
Pituitary gland. Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth, *Letter to Nature*, (Lin, C, Lin, S-C, Chang, C-P, Rosenfeld, M G) **360,** 765
Planetary atmospheres. Possible cometary origin of heavy noble gases in the atmospheres of Venus, Earth and Mars, *Letter to Nature*, (Owen, T, Bar-Nun, A, Kleinfeld, I) **358,** 43
Planetary formation. The origin of planets orbiting millisecond pulsars, *Letter to Nature*, (Tavani, M, Brookshaw, L) **356,** 320
Planetary nebulae. Detection of helium-3 in a planetary nebula, *Letter to Nature*, (Rood, R T, Bania, T M, Wilson, T L) **355,** 618
Planetary science. Gravitational wakes in Saturn's rings, *Letter to Nature*, (Salo, H) **359,** 619
A long shot at the Kuiper belt, *News and views*, (Pease, R) **359,** 673
The Planets: Portraits of New Worlds, *Book review by* Hughes, D W. **359,** 684
Worlds in the Sky: Planetary Discovery from Earliest Times Through Voyager and Magellan, *Book review by* Hughes, D W. **359,** 684
Planetary science: Airblast scars on Venus, *News and views*, (Melosh, H J) **358,** 622
Ways to keep Mars 'clean', *News*, (Mundell, I) **358,** 699
NASA ponders "faster, cheaper" way to send scientific mission to Pluto, *News*, (Reichhardt, T) **358,** 701
Atmospheric cellular convection, *Scientific correspondence*, (Scorer, R S, Baker, R D H, Schubert, G) **359,** 370
Journal of geophysical research - planets, *Journal review*, (Melosh, H J, Chapman, C R) **359,** 459
Variable oxygen airglow on Venus as a probe of atmospheric dynamics, *Letter to Nature*, (Allen, D, Crisp, D, Meadows, V) **359,** 516
Planetary science: Running rings round modellers, *News and views*, (Esposito, L W) **360,** 531
Cellular convection in the atmosphere of Venus, *Letter to Nature*, (Baker, R D, Schubert, G) **355,** 710
Space science: Mute Magellan finds its voice, *Opinion*, (Anderson, C) **355,** 190
Planetary systems. Meteorites: Stardust and planet dust, *News and views*, (McGlynn, T A) **355,** 20
Planets, non-solar. The origin of planets orbiting millisecond

pulsars, *Letter to Nature*, (Tavani, M, Brookshaw, L) **356,** 320
Resonant orbital evolution in the putative planetary system of PSR1257+12, *Letter to Nature*, (Malhotra, R, Black, D, Eck, A, Jackson, A) **356,** 583
Pulsar planets, *Scientific correspondence*, (van den Heuvel, E P J) **356,** 668
Pulsar's double period confirmed, *Scientific correspondence*, (Backer, D, Sallmen, S, Foster, R) **358,** 24
A planetary system around the millisecond pulsar PSR1257+12, *Letter to Nature*, (Wolszczan, A, Frail, D A) **355,** 145
Genesis of a pulsar's planets, *Scientific correspondence*, (Wuers, R A M J, van den Heuvel, E P J, van Kerkwuk, M H, Bhattacharya, D) **355,** 593
The planet vanishes, *Opinion*, **355,** 187
No planet orbiting PSR1829-10, *Scientific correspondence*, (Lyne, A G, Bailes, M) **355,** 213
An observational test for the existence of a planetary system orbiting PSR1257+12, *Letter to Nature*, (Rasio, F A, Nicholson, P D, Shapiro, S L, Teukolsky, S A) **355,** 325

Plant biology. Diversity and evolution of land plants, *Book review by* Moore, P D. **359,** 205

Plant breeding. High outcrossing rates maintain male and hermaphrodite individuals in populations of the flowering plant *Datisca glomerata*, *Letter to Nature*, (Fritsch, P, Rieseberg, L H) **359,** 633

Plant cell signalling. Electrical signalling and systemic proteinase inhibitor induction in the wounded plant, *Letter to Nature*, (Wildon, D C, Thain, J F, Minchin, P E H, Gubb, I R, Reilly, A J, Skipper, Y D, Doherty, H M, O'Donnell, P J, Bowles, D J) **360,** 62
Cell signalling: Potential awareness of plants, *News and views*, (Roberts, K) **360,** 14

Plant defences. Electrical signalling and systemic proteinase inhibitor induction in the wounded plant, *Letter to Nature*, (Wildon, D C, Thain, J F, Minchin, P E H, Gubb, I R, Reilly, A J, Skipper, Y D, Doherty, H M, O'Donnell, P J, Bowles, D J) **360,** 62
Cell signalling: Potential awareness of plants, *News and views*, (Roberts, K) **360,** 14

Plant disease resistance. Race-specificity of plant resistance to bacterial spot disease determined by repetitive motifs in a bacterial avirulence protein, *Letter to Nature*, (Herbers, K, Conrads-Strauch, J, Bonas, U) **356,** 172

Plant ecology. Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667

Plant evolution. Gene-for-gene coevolution between plants and parasites, *Review article*, (Thompson, J N, Burdon, J J) **360,** 121

Plant genetics. Genetically engineered alteration in the chilling sensitivity of plants, *Letter to Nature*, (Murata, N, Ishizaki-Nishizawa, O, Higashi, S, Hayashi, H, Tasaka, Y, Nishida, I) **356,** 710
A chimaeric ribonuclease-inhibitor gene restores fertility to male sterile plants, *Article*, (Mariani, C, Gossele, V, De Beuckeleer, M, De Block, M, Goldberg, R B, De Greef, W, Leemans, J) **357,** 384
Genetically engineered alteration in the chilling sensitivity of plants: Correction, *Letter to Nature*, (Murata, N, Ishizaki-Nishizawa, O, Higashi, S, Hayashi, H, Tasaka, Y, Nishida, I) **357,** 607
Bicalyx is a natural homeotic floral variant, *Letter to Nature*, (Ford, V S, Gottlieb, L D) **358,** 671
Cereal success, *News and views*, **357,** 364
Plant biology: Twenty-first century crops, *News and views*, (Peacock, J) **357,** 358
Plant genetics: Light in the dark, *News and views*, (Meyerowitz, E M) **360,** 459

Plant physiology. Cytosolic free calcium mediates red light-induced photomorphogenesis, *Letter to Nature*, (Shacklock, P S, Read, N D, Trewavas, A J) **358,** 753
Ecology: A leaf for all seasons, *News and views*, (Moore, P D) **360,** 110

Plant science. *Rhizobium*-plant signal exchange, *Review article*, (Fisher, R F, Long, S R) **357,** 655
Action spectrum for DNA damage in alfalfa lowers predicted impact of ozone depletion, *Letter to Nature*, (Quaite, F E, Sutherland, B M, Sutherland, J C) **358,** 576
The action plant, *Book review by* Ingrouille, M. **358,** 551
Molecular characterization of the *Arabidopsis* floral homeotic gene *APETALA1*, *Letter to Nature*, (Mandel, M A, Gustafson-Brown, C, Savidge, B, Yanofsky, M F) **360,** 273
Even larger organisms, *Scientific correspondence*, (Grant, M C, Milton, J B, Linhart, Y B) **360,** 216
A mess of red pottage, *Commentary*, (Tate, M E, Enneking, D) **359,** 357
Lack of nitrogen cycling in the Atacama Desert, *Letter to Nature*, (Ehleringer, J R, Mooney, H A, Rundel, P W, Evans, R D, Palma, B, Delatorre, J) **359,** 316
The plant journal, *Journal review*, (Rubery, P, Bowles, D, Caboche, M, Dennis, L, Flavell, D, Komamine, A, Schell, J, Somerville, C, Willmitzer, L) **359,** 439
Enquiry into plants, on odours, on weather-signs (2 volumes); *De causis plantarum* (3 volumes), *Book review by* Temple, R. **359,** 489
Exact tracking of pollen transfer and mating in plants, *Letter to Nature*, (Nilsson, L A, Rabakonandrianina, E, Pettersson, B) **360,** 666
Oak tree mortality in Iberia, *Scientific correspondence*, (Brasier, C M) **360,** 539

Plants, genetic resources. Plant collections endangered in Eastern Europe and Russia, *News*, (Butler, D) **360,** 201

Plants, patents. European Patent Office rejects bid to revoke first plant patent, *News*, (Abbott, A) **357,** 525

Plasma physics. Helical fusion machine on course, *News*, (Swinbanks, D) **356,** 468
Model of anomalous transport with backreacting localized perturbations, *Letter to Nature*, (Dubois, M A, Beaufumé, P, Fromont, B) **358,** 133
New life planned for British plasma science, *News*, (Mundell, I) **359,** 179

Plasma science. Weakly damped Alfvén waves as drivers of solar chromospheric spicules, *Letter to Nature*, (Haerendel, G) **360,** 241

Plasma, galactic. Distribution of plasma turbulence in our Galaxy derived from radio scintillation maps, *Letter to Nature*, (Hajivassiliou, C A) **355,** 232

Plasminogen activator inhibitor. Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270

Plate tectonics. Roller-bearing tectonic evolution of the Juan Fernandez microplate, *Article*, (Larson, R L, Searle, R C, Kleinrock, M C, Schouten, H, Bird, R T, Naar, D F, Rusby, R I, Hooft, E E, Lasthiotakis, H) **356,** 571
Linking short-timescale deformation to long-timescale tectonics, *Letter to Nature*, (Sornette, D, Virieux, J) **357,** 401
Recent inactivity in African rift, *Scientific correspondence*, (Asfaw, L M, Bilham, R, Jackson, M, Mohr, P) **357,** 447
Earthquakes: Three's a crowd in California, *News and views*, (Michael, A) **357,** 111
Earthquakes: The exception is the rule, *News and views*, (Houston, H) **360,** 111
Tectonic forcing of late Cenozoic climate, *Review article*, (Raymo, M E, Ruddiman, W F) **359,** 117
A model for the global variation in oceanic depth and heat flow with lithospheric age, *Article*, (Stein, C A, Stein, S) **359,** 123
Excitation of true polar wander by subduction, *Letter to Nature*, (Spada, G, Ricard, Y, Sabadini, R) **360,** 452
Geophysics: Preserving a sense of direction, *News and views*, (Dickman, S R) **360,** 421
Plate tectonics: Geodesy tracks plate motion, *News and views*, (Hudnut, K W) **355,** 681
Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246

Platelet-derived growth factor. Platelet-derived growth factor stimulates synthesis of PtdIns(3,4,5)P, by activating a PtdIns(4,5)P, 3-OH kinase, *Letter to Nature*, (Hawkins, P T, Jackson, T R, Stephens, L R) **358,** 157

Platinum. Post-depositional mobility of platinum, iridium and rhenium in marine sediments, *Letter to Nature*, (Colodner, D C, Boyle, E A, Edmond, J M, Thomson, J) **358,** 402

Pluto. NASA ponders "faster, cheaper" way to send scientific mission to Pluto, *News*, (Reichhardt, T) **358,** 701

Plutonium, Japan. Japan modifies plans for plutonium in wake of protests over shipments, *News*, (Swinbanks, D) **359,** 663
How to handle hot plutonium, *News*, (Swinbanks, D) **359,** 663

Plutonium. Plutonium and security: The military aspects of the plutonium economy, *Book review by* Walker, W. **356,** 669

PMP-22 protein. *Trembler* mouse carries a point mutation in a myelin gene, *Letter to Nature*, (Suter, U, Welcher, A A, Özcelik, T, Snipes, G J, Kosaras, B, Francke, U, Billings-Gagliardi, S, Sidman, R L, Shooter, E M) **356,** 241

Pneumocystis carinii. Beastly yeast, *News and views*, **359,** 478

Pneumonia, pneumocystis. Beastly yeast, *News and views*, **359,** 478

Poison, birds. Chemical ecology: Rubbish birds are poisonous, *News and views*, (Diamond, J M) **360,** 19

Poisons. Progress by poisoning, *News and views*, (Cutler, D) **359,** 773

Poisson's ratio, negative. New materials: No contractile obligations, *News and views*, (Lakes, R) **358,** 713
Negative Poisson ratios in crystalline SiO_2 from first-principles calculations, *Letter to Nature*, (Keskar, N R, Chelikowsky, J R) **358,** 222

Poland, ecology. Blighted woodlands: Environment project in Poland, *News*, (Land, T) **355,** 580

Poland, pollution. Molecular and genetic damage in humans from environmental pollution in Poland, *Letter to Nature*, (Perera, F P, Hemminki, K, Gryzbowska, E, Motykiewicz, G, Michalska, J, Santella, R M, Young, T-L, Dickey, C, Brandt-Rauf, P, DeVivo, I, Blaner, W, Tsai, W-Y, Chorazy, M) **360,** 256

Poland, science. Sciences against the odds in Poland, *Commentary*, (Aldhous, P) **355,** 385

Polar stratospheric clouds. More rapid polar ozone depletion through the reaction of HOCl with HCl on polar stratospheric clouds, *Letter to Nature*, (Prather, M J) **355,** 534

Polar wander. Excitation of true polar wander by subduction, *Letter to Nature*, (Spada, G, Ricard, Y, Sabadini, R) **360,** 452
Geophysics: Preserving a sense of direction, *News and views*, (Dickman, S R) **360,** 421

Polio vaccine, India. French modify polio plant in India, *News*, (Jayaraman, K S) **360,** 3

Polio, vaccination. Polio vaccine: French-Indian project in jeopardy, *News*, (Jayaraman, K S) **356,** 94

Poliovirus. Cardioviral internal ribosomal entry site is functional in a genetically engineered dicistronic poliovirus, *Letter to Nature*, (Molla, A, Jang, S K, Paul, A V, Reuer, Q, Wimmer, E) **356,** 255

Political evolution. Beyond the nation-state, *Correspondence*, (Crawford, I A) **358,** 448

Politics, Brazil. Brazil: Firing up for Earth summit, *News*, (Bonalume, R) **356,** 278
Brazil: Cabinet reshuffled again, *News*, (Bonalume, R) **356,** 467

Politics, Mexico. Political views, *Correspondence*, (Cuarón, A D, Chávez-Rivera, R) **358,** 534

Politics, Poland. Sciences against the odds in Poland, *Commentary*, (Aldhous, P) **355,** 385

Politics, UK. Towards an election disappointment, *Opinion*, **356,** 91
Mystifying manifestos, *Opinion*, **356,** 272
New government, old problems, *Opinion*, **356,** 547
Not on the agenda, *Opinion*, **356,** 366
Another election soon, *Opinion*, **356,** 462
Britain's new chance, *Opinion*, **357,** 2
Election fever, *Opinion*, **355,** 482

Politics, US. Bring back Tsongas, *Opinion*, **356,** 462
US politics: campaigns as usual, *Opinion*, **358,** 697
Science loses two good friends, *News*, (Mervis, J) **360,** 95
Physicist running for president is accused of distorting science to fit guru's ideas, *News*, (Anderson, C) **359,** 97
In what state is the Union?, *Opinion*, **355,** 481

Politics. Cardinal choices: Presidential science advising from the atomic bomb to SDI, *Book review by* de la Mothe, J. **359,** 26
Can Europe's dream now come true?, *Opinion*, **360,** 91
Where should GATT go next?, *Opinion*, **360,** 195
Confronting climate change: Risks, implications and responses, *Book review by* Thompson, R D. **359,** 115
Blow struck against US pork-barrel, *News*, (Mervis, J) **359,** 259

Pollination. Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667

Pollution, air. Air pollution and health, *Correspondence*, (Paoletti, P, Marchesi, E, Velona, F, Donato, L) **355,** 290

Pollution, aircraft emissions. Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69

Pollution, estuaries. ECOs estuarine contaminant simulator, *Book review by* Varney, M. **355,** 122

Pollution, garbage. Garbage in paradise, *Scientific correspondence*, (France, R) **355,** 504

Pollution, mercury. Mercury pollution in Brazil, *Scientific correspondence*, (Nriagu, J O, Pfeiffer, W C, Malm, O, Magalhaes de Souza, C M, Mierle, G) **356,** 389
Regional trends in mercury distribution across the Great Lakes states, north central USA, *Letter to Nature*, (Nater, E A, Grigal, D F) **358,** 139
Mercury and gold pollution, *Scientific correspondence*, (Fuge, R, Pearce, N J G, Perkins, W T) **357,** 369
Increase in global atmospheric concentrations of mercury inferred from measurements over the Atlantic Ocean, *Letter to Nature*, (Slemr, F, Langer, E) **355,** 434

Pollution, nitrates. Reduction of nitrate and nitrite in water immobilized enzymes, *Letter to Nature*, (Mellor, R B, Ronnenberg, J, Campbell, W H, Diekmann, S) **355,** 717

Pollution, oil spills. Marine pollution: Slick solution for oil spills, *News and views*, (Ollis, D) **358,** 453
Oil and combustion-product contamination of the Gulf marine environment following the war, *Letter to Nature*, (Readman, J W, Fowler, S W, Villeneuve, J-P, Cattini, C, Oregioni, B, Mee, L D) **358,** 662
Self-cleaning of the Gulf, *Scientific correspondence*, (Sorkhoh, N, Al-Hasan, R, Radwan, S, Höpner, T) **359,** 109

Pollution, oil-well fires. Kuwaiti soot over Japan, *Scientific correspondence*, (Okada, K, Ikegami, M, Uchino, O, Nikaidou, Y, Zaizen, Y, Tsutsumi, Y, Makino, Y) **355,** 120

Pollution, Poland. Blighted woodlands: Environment project in Poland, *News*, (Land, T) **355,** 580

Pollution, Rhine. Sandoz-funded research from Rhine spill suggests blockages are worse than toxins, *News*, (Klaffke, O, Abbott, A) **359,** 568

Pollution, sulphur dioxide. Absorption of flue gases by water, *Scientific correspondence*, (Radojevic, M, Tressider, D A) **356,** 391
Disposal of SO_2 in sea water, *Scientific correspondence*, (Drange, H, Haugan, P M, Colls, J J) **357,** 547
Disposal of SO_2 in sea water: Reply, *Scientific correspondence*, (Radojevic, M) **357,** 547

Pollution, sulphur. Anthropogenic influence on the distribution of tropospheric sulphate aerosol, *Letter to Nature*, (Langner, J, Rodhe, H, Crutzen, P J, Zimmermann, P) **359,** 712

Pollution, toxic chemicals. Biodegradation of metal citrate complexes and implications for toxic-metal mobility, *Letter to Nature*, (Francis, A J, Dodge, C J, Gillow, J B) **356,** 140

Pollution. Flowering inferno, *News and views*, (Pease, R) **359,** 776
Air pollutants and lung cancer, *Correspondence*, (Goldsmith, J R) **358,** 706

Stable isotope evidence for entry of sewage-derived organic material into a deep-sea food web, *Letter to Nature*, (Van Dover, C L, Grassle, J F, Fry, B, Garritt, R H, Starczak, V R) **360,** 153

Molecular and genetic damage in humans from environmental pollution in Poland, *Letter to Nature*, (Perera, F P, Hemminki, K, Gryzbowska, E, Motykiewicz, G, Michalska, J, Santella, R M, Young, T-L, Dickey, C, Brandt-Rauf, P, DeVivo, I, Blaner, W, Tsai, W-Y, Chorazy, M) **360,** 256

Cleaner gasoline, *Opinion*, **360,** 196

Changes in the hydrochemistry of the Black Sea inferred from water density profiles, *Letter to Nature*, (Tugrul, S, Basturk, O, Saydam, C, Yilmaz, A) **359,** 137

Poly(ADP-ribose). Role of poly(ADP-ribose) formation in DNA repair, *Letter to Nature*, (Satoh, M S, Lindahl, T) **356,** 356

Polyamines. Ornithine decarboxylase activity is critical for cell transformation, *Letter to Nature*, (Auvinen, M, Paasinen, A, Andersson, L C, Hölttä, E) **360,** 355

Polycyclic compounds. Is a pyrene-like molecular ion the cause of the 4,430-Å diffuse interstellar absorption band?, *Letter to Nature*, (Salama, F, Allamandola, L J) **358,** 42

Polyhedra. Polyhedral and cylindrical structures of tungsten disulphide, *Letter to Nature*, (Tenne, R, Margulis, L, Genut, M, Hodes, G) **360,** 444

Polymer gels. Multiple phases of polymer gels, *Letter to Nature*, (Annaka, M, Tanaka, T) **355,** 430

Polymer science. Polymers: Synthetic gels on the move, *News and views*, (Kajiwara, K, Ross-Murphy, S B) **355,** 208

A polymer gel with electrically driven motility, *Letter to Nature*, (Osada, Y, Okuzaki, H, Hori, H) **355,** 242

Patterns in shrinking gels, *Letter to Nature*, (Tanaka, T, Matsuo, E S) **358,** 482

Enhancement of polymerization rates for rigid rod-like molecules by shearing, *Letter to Nature*, (Agarwal, U S, Khakhar, D V) **360,** 53

Super-absorbency and phase transition of gels in physiological salt solutions, *Letter to Nature*, (Zhang, Y -Q, Tanaka, T, Shibayama, M) **360,** 142

New materials: No contractile obligations, *News and views*, (Lakes, R) **358,** 713

Journal of inorganic and organometallic polymers, *Journal review*, (Cahn, R W, Zeldin, M) **359,** 456

Polymer science: Tender morsels for microbes, *News and views*, (Calvert, P) **360,** 535

Chemical tuning of electroluminescent copolymers to improve emission efficienceis and allow patterning, *Letter to Nature*, (Burn, P L) **356,** 47

Polymerase chain reaction, patents. Roche cuts controversial PCR fees, testing limits, *News*, (Anderson, C) **355,** 379

Polymerase chain reaction. Forensic use of PCR in Italy, *Correspondence*, (Fiori, A, Pascali, V L) **356,** 471

Interpreting DNA fingerprints, *Scientific correspondence*, (Brookfield, J) **356,** 483

More on bear droppings, *Scientific correspondence*, (Lo, Y-M D, Wainscoat, J S) **359,** 784

Excrement analysis by PCR, *Scientific correspondence*, (Höss, M, Kohn, M, Pääbo, S, Knauer, F, Schröder, W) **359,** 199

PCR: Methods and applications, *Journal review*, (Sarkar, G, Cuddihy, J, Bentley, D, Gibbs, R, Green, E, Myers, R) **359,** 447

Competitive PCR, *Product review*, (Siebert, P D, Larrick, J W) **359,** 557

Ponds. Interactions between food-web structure and nutrients on pond organisms, *Letter to Nature*, (Leibold, M A, Wilbur, H M) **360,** 341

Popovic, Mikulas. OSI finds Popovic guilty on *Science* paper, *News*, (Culliton, B J) **357,** 3

More on Gallo and Popovic, *News and views*, (Maddox, J) **357,** 107

Gallo and Popovic lawyers reply, *News and views*, (Culliton, B J) **357,** 109

Popper, Karl. The philosopher for science, *Commentary*, (Bondi, H) **358,** 363

Misquoted, *Correspondence*, (Davies, R E) **360,** 99

Estimating Popper's impact, *Correspondence*, (Lindahl, B I B, Welljams-Dorof, A, Wolpert, L) **360,** 204

Popper: success or failure?, *Correspondence*, (Skoyles, J R) **359,** 100

In search of a better world: Lectures and essays from thirty years, *Book review by* Ziman, J. **360,** 425

Population biology, human. Offspring of scientists, *Correspondence*, (Beck, R A, Connolly, R C) **358,** 617

World population, *Scientific correspondence*, (Tuckwell, H C, Koziol, J A) **359,** 200

Population biology. Population variation in the ontogeny of predator-induced vertical migration of copepods, *Letter to Nature*, (Neill, W E) **356,** 54

Long time series reveal density dependence, *News and views*, (Godfray, H C J, Hassell, M P) **359,** 673

Population biology: Genes map the migratory route, *News and views*, (Sutherland, W J) **360,** 625

Population control, deer. Trial and error in the Highlands, *Commentary*, (Clutton-Brock, T H, Albon, S D) **358,** 11

Population dynamics. Overcompensation and population cycles in an ungulate, *Letter to Nature*, (Grenfell, B T, Price, O F, Albon, S D, Clutton-Brock, T H) **355,** 823

HTLV-II among pygmies, *Scientific correspondence*, (Goubau, P, Desmyter, J, Ghesquiere, J, Kasereka, B) **359,** 201

Population dynamics, insects. ..and some even hotter, *Scientific correspondence*, (Chevaldonné, P, Desbruyères, D, Childress, J J) **359,** 593

Population ecology. Sustainable populations?, *Scientific correspondence*, (Hambler, C) **356,** 294

Dispersal of juveniles and variable recruitment in sessile marine species, *Letter to Nature*, (Gaines, S D, Bertness, M D) **360,** 579

Population genetics. Unusual *HLA-B* alleles in two tribes of Brazilian Indians, *Letter to Nature*, (Belich, M P, Madrigal, J A, Hildebrand, W H, Zemmour, J, Williams, R C, Luz, R, Petzl-Erler, M L, Parham, P) **357,** 326

New recombinant *HLA-B* alleles in a tribe of South American Amerindians indicate rapid evolution of MHC class I loci, *Letter to Nature*, (Watkins, D I, McAdam, S N, Liu, X, Strang, C R, Milford, E L, Levine, C G, Garber, T L, Dogon, A L, Lord, C I, Ghim, S H, Troup, G M, Hughes, A L, Letvin, N L) **357,** 329

Molecular genetics: Fast forward in the MHC, *News and views*, (Howard, J) **357,** 284

Not entirely a backwater, *Correspondence*, (Pasteur, G) **359,** 10

Patterns of population spread, *Scientific correspondence*, (Sokal, R R, Wilson, C, Oden, N L) **355,** 214

DNA profiling: Law and probabilities, *News and views*, (Brookfield, J) **355,** 207

Population genetics. Shooting the RAPDs, *News and views*, (Hedrick, P) **355,** 679

Population growth. Saving the world, *Opinion*, **355,** 752

National Academy/Royal Society: Warning on population growth, *News*, (Maddox, J) **355,** 759

Population models. Density-dependent populations, *Scientific correspondence*, (Mountford, M D, Rothery, P) **356,** 391

Density-dependent populations (reply), *Scientific correspondence*, (May, R M) **356,** 391

Population regulation. Interactions between food-web structure and nutrients on pond organisms, *Letter to Nature*, (Leibold, M A, Wilbur, H M) **360,** 341

Ecology: Frog ponds and ocean iron, *News and views*, (Pimm, S L) **360,** 298

Pore fluids. An earthquake mechanism based on rapid sealing of faults, *Letter to Nature*, (Blanpied, M L, Lockner, D A, Byerlee, J D) **358,** 574

Rock mechanics: Greasing the fault, *News and views*, (Evans, B) **358,** 544

Role of pore fluids in the generation of seismic precursors to shear fracture, *Letter to Nature*, (Sammonds, P R, Meredith, P G, Main, I G) **359,** 228

Porins. Crystal structures explain functional properties of two *E. coli* porins, *Article*, (Cowan, S W, Schirmer, T, Rummel, G, Steiert, M, Ghosh, R, Pauptit, R A, Jansonius, J N, Rosenbusch, J P) **358,** 727

Porous media. Long-lived photoinduced charge separation in a redox system trapped in a sol-gel glass, *Letter to Nature*, (Slama-Schwok, A, Ottolenghi, M, Avnir, D) **355,** 240

Porous membranes. Silicon sieve, *News and views*, **355,** 681

Porphobilinogen deaminase. Structure of porphobilinogen deaminase reveals a flexible multidomain polymerase with a single catalytic site, *Article*, (Louie, G V, Brownlie, P D, Lambert, R, Cooper, J B, Blundell, T L, Wood, S P, Warren, M J, Woodcock, S C, Jordan, P M) **359,** 33

Porphyrin-based microsensors. Biosensors: NO release for good measure, *News and views*, (Snyder, S H) **358,** 623

Nitric oxide release from a single cell measured *in situ* by a porphyrinic-based microsensor, *Letter to Nature*, (Malinski, T, Taha, Z) **358,** 676

Portugal, research. Industry slows research gains in Portugal, *News*, (Malheiros, J V) **358,** 359

Positron annihilation, Galactic Centre. A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942, *Letter to Nature*, (Mirabel, I F, Rodriguez, L F, Cordier, B, Paul, J, Lebrun, F) **358,** 215

High-energy astronomy: The big accelerator in the sky, *News and views*, (Phinney, E S) **358,** 189

Positron emission imaging. Surface catalysis studied by *in situ* positron emission, *Letter to Nature*, (Jonkers, G, Vonkeman, K A, van der Wal, S W A, van Santen, R A) **355,** 63

Potassium channels. Cell-free expression of functional *Shaker* potassium channels, *Letter to Nature*, (Rosenberg, R L, East, J E) **360,** 166

Evidence for cooperative interactions in potassium channel gating, *Letter to Nature*, (Tytgat, J, Hess, P) **359,** 420

pp60$^{c\text{-}src}$. Cell transformation and activation of pp60$^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase, *Letter to Nature*, (Zheng, X M, Wang, Y, Pallen, C J) **359,** 336

Prebiotic chemistry. Autocatalytic self-replicating micelles as models for prebiotic structures, *Letter to Nature*, (Bachmann, P A, Luisi, P L, Lang, J) **357,** 57

Endogenous production, exogenous delivery and impact-shock synthesis of organic molecules: an inventory for the origins of life, *Review article*, (Chyba, C, Sagan, C) **355,** 125

Precursor cells. Bipotential precursors of B cells and macrophages in murine fetal liver, *Letter to Nature*, (Cumano, A, Paige, C J, Iscove, N N, Brady, G) **356,** 612

Prehistoric art. Direct radiocarbon dates for prehistoric paintings at the Altamira, El Castillo and Niaux caves, *Letter to Nature*, (Valladas, H, Cachier, H, Maurice, P, Bernaldo de Quiros, F, Clottes, J, Valdés, V C, Uzquiano, P, Arnold, M) **357,** 68

Primary biliary cirrhosis. Molecular mimicry in liver disease, *Scientific correspondence*, (Burroughs, A K, Butler, P, Sternberg, M J E, Baum, H) **358,** 377

Primary production. Primary production in the glacial North Atlantic and North Pacific oceans, *Letter to Nature*, (Sancetta, C) **360,** 249

Primate evolution. Earliest known simian primate found in Algeria, *Letter to Nature*, (Godinot, M, Mahboubi, M) **357,** 324

Primate research. Ban on primate trade seen as threat to animals, *News*, (Mundell, I) **358,** 7

A national primate centre?, *Correspondence*, (Fink, G) **358,** 705

Hurricane pounds Florida research facilities, *News*, (Anderson, C) **359,** 7

Prime numbers. The endless search for primality, *News and views*, (Maddox, J) **356,** 283

Prions. Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein, *Article*, (Bücler, H, Fischer, M, Lang, Y, Blüethmann, H, Lipp, H-P, DeArmond, S J, Prusiner, S B, Aguet, M, Weissmann, C) **356,** 577

Amphotericin B treatment dissociates *in vivo* replication of the scrapie agent from PrP accumulation, *Letter to Nature*, (Xi, Y G, Ingrosso, L, Ladogana, A, Masullo, C, Pocchiari, M) **356,** 598

Prisoner's dilemma. Tit for tat in heterogeneous populations, *Letter to Nature*, (Nowak, M A, Sigmund, K) **355,** 250

Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206

Privacy act, US. US panel rejects hiding source of allegations of misconduct, *News*, (Anderson, C) **359,** 765

Prizes, Louis Jeantet. Research prize: Three share Jeantet award in medicine, *News*, (Aldhous, P) **355,** 287

Probability theory. Bayes or bust? A critical examination of Bayesian confirmation theory, *Book review by* Howson, C. **358,** 552

Prochlorophytes. Multiple evolutionary origins of prochlorophytes, the chlorophyll b-containing prokaryotes, *Letter to Nature*, (Palenik, B, Haselkorn, R) **355,** 265

Multiple evolutionary origins of prochlorophytes within the cyanobacterial radiation, *Letter to Nature*, (Urbach, E, Robertson, D L, Chisholm, S W) **355,** 267

Procolipase. Structure of the pancreatic lipase-procolipase complex, *Letter to Nature*, (van Tilbeurgh, H, Sarda, L, Verger, R, Cambillau, C) **359,** 159

Programmed cell death. *Caenorhabditis elegans* gene *ced-9* protects cells from programmed cell death, *Article*, (Hengartner, M O, Ellis, R E, Horvitz, H R) **356,** 494

Prokaryotes. Neutral terms, *Scientific correspondence*, (Forterre, P) **355,** 305

Promoter DNA. Specific binding of the transcription factor sigma-54 to promoter DNA, *Letter to Nature*, (Buck, M, Cannon, W) **358,** 422

Protease inhibitors. Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270

Proteases. A novel heterodimeric cysteine protease is required for interleukin-1ß processing in monocytes, *Article*, (Thornberry, N A, Bull, H G, Calaycay, J R, Chapman, K T, Howard, A D, Kostura, M J, Miller, D K, Molineaux, S M, Weidner, J R, Aunins, J, Elliston, K O, Ayala, J M, Casano, F J, Chin, J, Ding, G J-F, Egger, L A, Gaffney, E P, Limjuco, G, Palyha, O C, Raju, S M, Rolando, A M, Salley, J P, Yamin, T-T, Lee, T D, Shively, J E, MacCross, M, Mumford, R A, Schmidt, J A, Tocci, M J) **356,** 768

Enzymology: Proteases: to each his own, *News and views*, (Ringe, D) **356,** 748

Proteolysis, proteasomes and antigen presentation, *Review article*, (Goldberg, A L, Rock, K L) **357,** 375

Proteasomes. Proteasome subunits encoded in the MHC are not generally required for the processing of peptides bound by MHC class I molecules, *Letter to Nature*, (Arnold, D, Driscoll, J, Androlewicz, M, Hughes, E, Cresswell, P, Spies, T) **360,** 171

Proteasome subunits encoded by the major histocompatibility complex are not essential for antigen presentation, *Letter to Nature*, (Momburg, F, Ortiz-Navarrete, V, Neefjes, J, Goulmy, E, van de Wal, Y, Spits, H, Powis, S J, Butcher, G W, Howard, J C, Walden, P, Hämmerling, G J) **360,** 174

Proteolysis, proteasomes and antigen presentation, *Review article*, (Goldberg, A L, Rock, K L) **357,** 375

Ornithine decarboxylase is degraded by the 26S proteasome without ubiquitination, *Letter to Nature*, (Murakami, Y, Matsufuji, S, Kameji, T, Hayashi, S, Igarashi, K, Tamura, T, Tanaka, K, Ichihara, A) **360,** 597

Protein C. Enhancing protein C interaction with thrombin results in a clot-activated anticoagulant, *Letter to Nature*, (Richardson, M A, Gerlitz, B, Grinnell, B W) **360,** 261

Protein crystallization. Protein crystallization cont.., *Scientific correspondence*, (Leberman, R) **357,** 545

Protein crystals. *Mir* for the crystallographers' money, *Commentary*, (Stoddard, B L, Strong, R K, Arrott, A, Farber, G K) **360,** 293

Protein degradation. Ornithine decarboxylase is degraded by the 26S proteasome without ubiquitination, *Letter to Nature*, (Murakami, Y, Matsufuji, S, Kameji, T, Hayashi, S, Igarashi, K, Tamura, T, Tanaka, K, Ichihara, A) **360,** 597

Protein engineering. Ribosome-mediated incorporation of a non-standard amino acid into a peptide through expansion of the genetic code, *Letter to Nature*, (Bain, J D, Switzer, C,

Chamberlin, A R, Benner, S A) **356,** 537
A cavity-containing mutant of T4 lysozyme is stabilized by buried benzene, *Letter to Nature,* (Eriksson, A. E, Baase, W A, Wozniak, J A, Matthews, B W) **355,** 371
Protein explosives. Protein crystals go bang, *Scientific correspondence,* (Pitts, J E) **360,** 24
Protein folding. Role of ATP and disulphide bonds during protein folding in the endoplasmic reticulum, *Letter to Nature,* (Braakman, I, Helenius, J, Helenius, A) **356,** 260
A protein-folding reaction under kinetic control, *Letter to Nature,* (Baker, D, Sohl, J L, Agard, D A) **356,** 263
Protein folding: Up the kinetic pathway, *News and views,* (Creighton, T E) **356,** 194
Successive action of DnaK, DnaJ and GroEL along the pathway of chaperone-mediated protein folding, *Article,* (Langer, T, Lu, C, Echols, H, Flanagan, J, Hayer, M K, Hartl, F U) **356,** 683
Protein folding: Further up the kinetic pathway, *News and views,* (Pain, R) **356,** 664
The folding of hen lysozyme involves partially structured intermediates and multiple pathways, *Article,* (Radford, S E, Dobson, C M, Evans, P A) **358,** 302
Protein folding: Cytosolic chaperonin confirmed, *News and views,* (Ellis, J) **358,** 191
TCP1 complex is a molecular chaperone in tubulin biogenesis, *Letter to Nature,* (Yaffe, M B, Farr, G W, Miklos, D, Horwich, A L, Sternlicht, M L, Sternlicht, H) **358,** 245
T-complex polypeptide-1 is a subunit of heteromeric particle in the eukaryotic cytosol, *Letter to Nature,* (Lewis, V A, Hynes, G M, Zheng, D, Saibil, H, Willison, K) **358,** 249
Proteins: Folding in the egg white, *News and views,* (Pain, R H) **358,** 278
A new approach to protein fold recognition, *Letter to Nature,* (Jones, D T, Taylor, W R, Thornton, J M) **358,** 86
Hsp90 chaperones protein folding *in vitro*, *Letter to Nature,* (Wiech, H, Buchner, J, Zimmermann, R, Jakob, U) **358,** 169
Protein folding in the cell, *Review article,* (Gething, M-J, Sambrook, J) **355,** 33
Different conformations for the same polypeptide bound to chaperones DnaK and GroEL, *Letter to Nature,* (Landry, S J, Jordan, R, McMacken, R, Gierasch, L M) **355,** 455
Protein freezing. Protein function below 220 K, *Scientific correspondence,* (Perutz, M F) **358,** 548
Protein function. Cellular biophysics: Proteins as machines, *News and views,* (Pollard, T D) **355,** 17
Protein G. Crystal structure of streptococcal protein G domain bound to an Fab fragment, *Letter to Nature,* (Derrick, J P, Wigley, D B) **359,** 752
Protein import, mitochondria. Mapping of the protein import machinery in the mitochondrial outer membrane by crosslinking of translocation intermediates, *Letter to Nature,* (Söllner, T, Rassow, J, Wiedmann, M, Schlossmann, J, Keil, P, Neupert, W, Pfanner, N) **355,** 84
Protein kinase A. The protein kinase A-regulated cardiac Cl-channel resembles the cystic fibrosis transmembrane conductance regulator, *Letter to Nature,* (Nagel, G, Hwang, T-C, Nastiuk, K L, Nairn, A C, Gadsby, D C) **360,** 81
Protein kinase C. Protein kinase C reduces Mg^{2+} block of NMDA-receptor channels as a mechanism of modulation, *Letter to Nature,* (Chen, L, Huang, L-Y M) **356,** 521
MARCKS is an actin filament crosslinking protein regulated by protein kinase C and calcium-calmodulin, *Letter to Nature,* (Hartwig, J H, Thelen, M, Rosen, A, Janmey, P A, Nairn, A C, Aderem, A) **356,** 618
Protein kinases. Regulation of $p34^{CDC28}$ tyrosine phosphorylation is not required for entry into mitosis in *S. cerevisiae*, *Letter to Nature,* (Amon, A, Surana, U, Muroff, I, Nasmyth, K) **355,** 368
Mutation of protein kinase A causes heterochronic development of *Dictyostelium*, *Letter to Nature,* (Simon, M-N, Pelegrini, O, Veron, M, Kay, R R) **356,** 171
Calcium-dependent enhancement of calcium current in smooth muscle by calmodulin-dependent protein kinase II, *Letter to Nature,* (McCarron, J G, McGeown, J G, Reardon, S, Ikebe, M, Fay, F S, Walsh, J V) **357,** 74
The *weel* protein kinase is required for radiation-induced mitotic delay, *Letter to Nature,* (Rowley, R, Hudson, J, Young, P G) **356,** 353
Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, *Letter to Nature,* (Bustelo, X R, Ledbetter, J A, Barbacid, M) **356,** 68
Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, *Letter to Nature,* (Margolis, B, Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) **356,** 71
Proto-*vav* and gene expression, *Scientific correspondence,* (Boguski, M S, Bairoch, A, Attwood, T K, Michaels, G) **358,** 113
Association of tyrosine kinase $p56^{lck}$ with CD4 inhibits the induction of growth through the αβ T-cell receptor, *Letter to Nature,* (Haughn, L, Gratton, S, Caron, L, Sékaly, R-P, Veillette, A, Julius, M) **358,** 328
Defective regulation of outwardly rectifying Cl channels by protein kinase A corrected by insertion of CFTR, *Letter to Nature,* (Egan, M, Flotte, T, Afione, S, Solow, R, Zeitlin, P L, Carter, B J, Guggino, W B) **358,** 581
Phosducin is a protein kinase A-regulated G-protein regulator, *Letter to Nature,* (Bauer, P H, Müller, S, Puzicha, M, Pippig, S, Obermaier, B, Helmreich, E J M, Lohse, M J) **358,** 73
Human cytomegalovirus *UL97* open reading frame encodes a protein that phosphorylates the antiviral nucleoside analogue ganciclovir, *Letter to Nature,* (Littler, E, Stuart, A, Chee, M S) **358,** 160
A protein kinase homologue controls phosphorylation of ganciclovir in human cytomegalovirus-infected cells, *Letter to Nature,* (Sullivan, V, Talarico, C L, Stanat, S C, Davis, M, Coen, D M, Biron, K K) **358,** 162
Inactivation of the sarcoplasmic reticulum calcium channel by protein kinase, *Letter to Nature,* (Wang, J, Best, P M) **359,** 739
Synaptic vesicle-associated Ca^{2+}/calmodulin-dependent protein kinase II is a binding protein for synapsin I, *Letter to Nature,* (Benfenati, F, Valtorta, F, Rubenstein, J L, Gorelick, F S, Greengard, P, Czernik, A J) **359,** 417
Protein kinase C downregulation?, *Scientific correspondence,* (Farese, R V, Standaert, M L, Cooper, D R) **360,** 305
S-phase feedback control in budding yeast independent of tyrosine phosphorylation of $p34^{CDC28}$, *Letter to Nature,* (Sorger, P K, Murray, A W) **355,** 365
Engagement of the high-affinity IgE receptor activates *src* proctin-related tyrosine kinases, *Letter to Nature,* (Eiseman, E, Bolen, J B) **355,** 78
Protein separation. Beyond silver staining, *Product review,* (Wallace, A, Saluz, H) **357,** 608
Protein structure. Protein engineering in haemoglobin, *Scientific correspondence,* (Giardina, B, Scatena, R, Clementi, M E, Cerroni, L, Condo, S G, Nuutinen, M, Brix, O) **355,** 777
Cost of the charge, *News and views,* **355,** 110
NMR PDQ, *News and views,* **356,** 111
Effect of alanine versus glycine in α-helices on protein stability, *Letter to Nature,* (Serrano, L, Neira, J-L, Sancho, J, Fersht, A R) **356,** 453
The dead-end elimination theorem and its use in protein side-chain positioning, *Letter to Nature,* (Desmet, J, De Maeyer, M, Hazes, B, Lasters, I) **356,** 539
Where the ions are, *News and views,* **356,** 384
Protein structure: New paths from dead ends, *News and views,* (Taylor, W) **356,** 478
Protein model building using structural homology, *Product review,* (Lee, R H) **356,** 543
Assessment of protein models with three-dimensional profiles, *Letter to Nature,* (Lüthy, R, Bowie, J U, Eisenberg, D) **356,** 83
Protein images obtained by STM, AFM and TEM, *Product review,* (Arakawa, H, Umemura, K, Ikai, A) **358,** 171
Atomic structure and chemistry of human serum albumin, *Article,* (He, X M, Carter, D C) **358,** 209
An unusual feature revealed by the crystal structure at 2.2 Å resolution of human transforming growth factor-β2, *Letter to Nature,* (Schlunegger, M P, Grütter, M G) **358,** 430
Structure of an SH2 domain of the p85α subunit of phosphatidylinositol-3-OH kinase, *Letter to Nature,* (Booker, G W, Breeze, A L, Downing, A K, Panayotou, G, Gout, I, Waterfield, M D, Campbell, I D) **358,** 684
Crystal structure of staphylococcal enterotoxin B, a superantigen, *Article,* (Swaminathan, S, Furey, W, Pletcher, J, Sax, M) **359,** 801
Crystal structure of a Src-homology 3 (SH3) domain, *Letter to Nature,* (Musacchio, A, Noble, M, Pauptit, R, Wierenga, R, Saraste, M) **359,** 851
Structure of hnRNP I/PTB: An RNA-binding protein involved in the regulation of viral and cellular pre-mRNA processing, *Letter to Nature,* (Simpson, P J, Monie, T P, Szendröi, A, Davydova, N, Bygrave, A M, Whitehead, R H, Nielsen, P J, Curry, S) **358,** 170
Structure of hnRNP A1 and the relationship between two-fold symmetric RNA-binding proteins and the LSm fold, *Letter to Nature,* (Nagai, K, Muto, Y, Pomeranz Krummel, D A, Kambach, C, Nakagawa, A, Lührmann, R, Oubridge, C) **358,** 176
Structure of the pancreatic lipase-procolipase complex, *Letter to Nature,* (van Tilbeurgh, H, Sarda, L, Verger, R, Cambillau, C) **359,** 159
Transcription factors: DNA recognition, warts and all, *News and views,* (Kuriyan, J, Burley, S K) **359,** 476
Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target, *Article,* (Hegde, R S, Grossman, S R, Laimins, L A, Sigler, P B) **359,** 505
Protein architecture: A practical approach, *Book review by* Petsko, G A, **359,** 596
Short alanine-based peptides may form 3_{10}-helices and not α-helices in aqueous solution, *Letter to Nature,* (Miick, S M, Martinez, G V, Fiori, W R, Todd, A P, Millhauser, G L) **359,** 653
Immunology: Deconstructing the MHC, *News and views,* (Parham, P) **360,** 300
Deviant TATA-box binding protein, *Scientific correspondence,* (Hyde, J E, Sims, P F G, Read, M, McAndrew, M B) **360,** 541
Structure of the recA protein-ADP complex, *Letter to Nature,* (Story, R M, Steitz, T A) **355,** 374
Novel NADPH-binding domain revealed by the crystal structure of aldose reductase, *Letter to Nature,* (Rondeau, J-M, Tête-Favier, F, Podjarny, A, Reymann, J-M, Barth, P, Biellmann, J-F, Moras, D) **355,** 469
The structure of the *E. coli recA* protein monomer and polymer, *Article,* (Story, R M, Weber, I T, Steitz, T A) **355,** 318; *Erratum* **355,** 567
Molecular biology: recA: from locus to lattice, *News and views,* (McEntee, K) **355,** 302
Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature,* (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270
Protein translocation. *SEC65* gene product is a subunit of the yeast signal recognition particle required for its integrity, *Letter to Nature,* (Hann, B C, Stirling, C J, Walter, P) **356,** 532
The *S. cerevisiae SEC65* gene encodes a component of yeast signal recognition particle with homology to human SRP19, *Letter to Nature,* (Stirling, C J, Hewitt, E W) **356,** 534
A protein of the endoplasmic reticulum involved early in polypeptide translocation, *Article,* (Görlich, D, Hartmann, E, Prehn, S, Rapoport, T A) **357,** 47
Protein translocation: Travelling by TRAM, *News and views,* (Walter, P) **357,** 22
The *E. coli ffh* gene is necessary for viability and efficient protein export, *Letter to Nature,* (Phillips, G J, Silhavy, T J) **359,** 744
SEC21 is a gene required for ER to Golgi protein transport that encodes a subunit of a yeast coatomer, *Letter to Nature,* (Hosobuchi, M, Kreis, T, Schekman, R) **360,** 603
Protein transport. Immuno-isolation of Sec7p-coated transport vesicles from the yeast secretory pathway, *Letter to Nature,* (Franzusoff, A, Lauzé, E, Howell, K E) **355,** 173
Protein tyrosine phosphatases. Cell transformation and activation of $pp60^{c\text{-}src}$ by overexpression of a protein tyrosine phosphatase, *Letter to Nature,* (Zheng, X M, Wang, Y, Pallen, C J) **359,** 336
Oxidative stress and heat shock induce a human gene encoding a protein-tyrosine phosphatase, *Letter to Nature,* (Keyse, S M, Emslie, E A) **359,** 644
Protein-DNA interactions. Protein-DNA interactions at a yeast replication origin, *Letter to Nature,* (Diffley, J F X, Cocker, J H) **357,** 169
A whole genome approach to *in vivo* DNA-protein interactions in *E. coli*, *Letter to Nature,* (Wang, M X, Church, G M) **360,** 606
Protein-receptor complex. Prediction of the structure of a receptor-protein complex using a binary docking method, *Letter to Nature,* (Stoddard, B L, Koshland Jr, D E) **358,** 774
Protein-tyrosine kinases. Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation, *Letter to Nature,* (Guan, J-L, Shalloway, D) **358,** 690
Proteins. Proteins: One thousand families for the molecular biologist, *News and views,* (Chothia, C) **357,** 543
G proteins: The target sets the tempo, *News and views,* (Bourne, H R, Stryer, L) **358,** 541
Protein function below 220 K, *Scientific correspondence,* (Perutz, M F) **358,** 548
Protein science: A publication of the protein society, *Journal review,* (Littlechild, J A, Neurath, H) **359,** 448
Proteolipid protein gene. Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene, *Letter to Nature,* (Schneider, A, Montague, P, Griffiths, I, Fanarraga, M, Kennedy, P, Brophy, P, Nave, K-A) **358,** 758
Proto-oncogenes. Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, *Letter to Nature,* (Bustelo, X R, Ledbetter, J A, Barbacid, M) **356,** 68
Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, *Letter to Nature,* (Margolis, B, Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) **356,** 71
Involvement of $p21^{ras}$ in *Xenopus* mesoderm induction, *Letter to Nature,* (Whitman, M, Melton, D A) **357,** 252
Involvement of $p21^{ras}$ in activation of extracellular signal-regulated kinase 2, *Letter to Nature,* (de Vries-Smits, A M

M, Burgering, B M Th, Leevers, S J, Marshall, C J, Bos, J L) **357,** 602
Proto-*vav* and gene expression, *Scientific correspondence,* (Boguski, M S, Bairoch, A, Attwood, T K, Michaels, G) **358,** 113
Phosphorylation of transcription factor $p62^{TCF}$ by MAP kinase stimulates ternary complex formation at *c-fos* promoter, *Letter to Nature,* (Gille, H, Sharrocks, A D, Shaw, P E) **358,** 414
Raf-1 activates MAP kinase-kinase, *Letter to Nature,* (Kyriakis, J M, App, H, Zhang, X-f, Banerjee, P, Brautigan, D L, Rapp, U R, Avruch, J) **358,** 417
Candidate proto-oncogene *bcl-3* encodes a subunit-specific inhibitor of transcription factor $NF-_{\kappa}B$, *Letter to Nature,* (Wulczyn, F G, Naumann, M, Scheidereit, C) **358,** 597
Antisense *c-myb* oligonucleotides inhibit intimal arterial smooth muscle cell accumulation *in vivo*, *Letter to Nature,* (Simons, M, Edelman, E R, DeKeyser, J-L, Langer, R, Rosenberg, R D) **359,** 67
Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature,* (Goodrich, D W, Lee, W -H) **360,** 177
Erratum: Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature,* (Goodrich, D W, Lee, W -H) **360,** 491
Apoptotic cell death induced by *c-myc* is inhibited by *bcl-2*, *Letter to Nature,* (Bissonnette, R P, Echeverri, F, Mahboubi, A, Green, D R) **359,** 552
Cooperative interaction between *c-myc* and *bcl-2* proto-oncogenes, *Letter to Nature,* (Fanidi, A, Harrington, E A, Evan, G I) **359,** 554
Bone and haematopoietic defects in mice lacking *c-fos*, *Letter to Nature,* (Wang, Z-Q, Ovitt, C, Grigoriadis, A E, Möhle-Steinlein, U, Rüther, U, Wagner, E F) **360,** 741
Protogalaxies. A cluster of protogalaxies at redshift 3.4?, *Letter to Nature,* (Subramanian, K, Swarup, G) **359,** 512
Protostars. The formation of binary and multiple star systems, *Article,* (Chapman, S, Pongracic, H, Disney, M, Nelson, A, Turner, J, Whitworth, A) **359,** 207
Pseudoscience. Spontaneous human combustion, *Book review by* Gardner, M. **360,** 396
Psychiatry. Schizophrenia, *Correspondence,* (Hemmings, G) **355,** 291
Psychics. Psychics in court, *Opinion,* **355,** 284
Psychology. Perceptual and associative learning, *Book review by* Sutherland, S. **356,** 118
Addition and subtraction by human infants, *Letter to Nature,* (Wynn, K) **358,** 749
Neural subsystems for object knowledge, *Letter to Nature,* (Hart Jr, J, Gordon, B) **359,** 60
Defining consciousness, *Correspondence,* (Josephson, B D, Rubik, B A, Fontana, D, Lorimer, D, Sacks, O) **358,** 618
Terman's kids: The groundbreaking study of how the gifted grow up, *Book review by* Bryant, P E. **358,** 634
Developmental psychology: Arithmetic in the cradle, *News and views,* (Bryant, P E) **358,** 712
Intelligence and development: A cognitive theory, *Book review by* Deary, I J. **359,** 28
Surfaces versus features in visual search, *Letter to Nature,* (He, Z J, Nakayama, K) **359,** 231
Predictable eye-head coordination during driving, *Letter to Nature,* (Land, M F) **359,** 318
Correction: Defining consciousness, *Correspondence,* (Josephson, B D, Rubik, B A, Fontana, D, Lorimer, D) **359,** 472
Hippocampus-dependent learning facilitated by a monoclonal antibody or D-cycloserine, *Letter to Nature,* (Thompson, L T, Moskal, J R, Disterhoft, J F) **359,** 638
The perception of heading during eye movements, *Letter to Nature,* (Royden, C S, Banks, M S, Crowell, J A) **360,** 583
Irrationality: The enemy within, *Book review by* Gellner, E. **360,** 384
Errata: Addition and subtraction by human infants, *Letter to Nature,* (Wynn, K) **360,** 768
Burt files reopened, *Correspondence,* (Goodhart, C B) **355,** 103
The science of love: Understanding love and its effects on mind and body, *Book review by* Sutherland, S. **355,** 309
Psychophysics. Spatial filtering precedes motion detection, *Letter to Nature,* (Morgan, M J) **355,** 344
Subtractive and divisive adaptation in the human visual system, *Letter to Nature,* (Snowden, R J, Hammett, S T) **355,** 248
Public health, Europe. Medical research: Will EC policy boost European health studies?, *News,* (Aldhous, P) **355,** 286
Public health. Infectious diseases are not banished, *Opinion,* **359,** 657
Tackling TB, *News and views,* **357,** 114
Publication costs. Page charges, *News,* (Leung, A K C, Robson, W L M, King, L A) **358,** 534
Publication errors. Struggles to correct published errors, *Commentary,* (Menger, F M, Haim, A) **359,** 666
Reply to Menger and Haim, *Correspondence,* (Schowen, R L) **360,** 506
Publication speed. Melodrama in research publication, *News and views,* (Maddox, J) **355,** 767
Pulsar planets. Resonant orbital evolution in the putative planetary system of PSR1257+12, *Letter to Nature,* (Malhotra, R, Black, D, Eck, A, Jackson, A) **356,** 583
The origin of planets orbiting millisecond pulsars, *Letter to Nature,* (Tavani, M, Brookshaw, L) **356,** 320
Pulsar planets, *Scientific correspondence,* (van den Heuvel, E P J) **356,** 668
Pulsar's double period confirmed, *Scientific correspondence,* (Backer, D, Sallmen, S, Foster, R) **358,** 24
Pulsars. Pulsar emissions, *Scientific correspondence,* (Michel, F C, Dermer, C D) **356,** 483
Identification of the pulsar PSR1509-58 with the 'guest star' of AD 185, *Letter to Nature,* (Thorsett, S E) **356,** 690
Spin-up and recovery in the 1989 glitch of the Crab pulsar, *Letter to Nature,* (Lyne, A G, Smith, F G, Pritchard, R S) **359,** 706
Pulsed high-energy γ-rays from the radio pulsar PSR1706-44, *Letter to Nature,* (Thompson, D J, Arzoumanian, Z, Bertsch, D L, Brazier, K T S, D'Amico, N, Fichtel, C E, Fierro, J M, Hartman, R C, Hunter, S D, Johnston, S, Kanbach, G, Kaspi, V M, Kniffen, D A, Lin, Y C, Lyne, A G, Manchester, R N, Mattox, J R, Mayer-Hasselwander, H A, Michelson, P F, Montigny, C v, Nel, H I, Nice, D, Nolan, P L, Pinkau, K, Rothermel, H, Schneid, E J, Sommer, M, Sreekumar, P, Taylor, J H) **359,** 615
Pulsar glitches as probes of neutron star interiors, *Letter to Nature,* (Link, B, Epstein, R I, Van Riper, K A) **359,** 616
Electron density fluctuations in the local interstellar bubble, *Letter to Nature,* (Phillips, J A, Clegg, A W) **360,** 137
Pulsars to star in forthcoming UK music festival, *News,* (Pease, R) **360,** 96
X-ray detection of the eclipsing millisecond pulsar PSR1957+20, *Letter to Nature,* (Kulkarni, S R, Phinney, E S, Evans, C R, Hasinger, G) **359,** 300
X-rays from the eclipsing pulsar 1957+20, *Letter to Nature,* (Fruchter, A S, Bookbinder, J, Garcia, M R, Bailyn, C D) **359,** 303
Experimental constraints on strong-field relativistic gravity, *Article,* (Taylor, J H, Wolszczan, A, Damour, T, Weisberg, J M) **355,** 132
General relativity: The good companions, *News and views,* (Will, C M) **355,** 111
A planetary system around the millisecond pulsar PSR1257+12, *Letter to Nature,* (Wolszczan, A, Frail, D A) **355,** 145
Genesis of a pulsar's planets, *Scientific correspondence,* (Wuers, R A M J, van den Heuvel, E P J, van Kerkwuk, M H, Bhattacharya, D) **355,** 593
The planet vanishes, *Opinion,* **355,** 187
No planet orbiting PSR1829-10, *Scientific correspondence,* (Lyne, A G, Bailes, M) **355,** 213
An observational test for the existence of a planetary system orbiting PSR1257+12, *Letter to Nature,* (Rasio, F A, Nicholson, P D, Shapiro, S L, Teukolsky, S A) **355,** 325
Purkinje cells. Synaptic excitation produces a long-lasting rebound potentiation of inhibitory synaptic signals in cerebellar Purkinje cells, *Letter to Nature,* (Kano, M, Rexhausen, U, Dreessen, J, Konnerth, A) **356,** 601
Pygmies. HTLV-II among pygmies, *Scientific correspondence,* (Goubau, P, Desmyter, J, Ghesquiere, J, Kasereka, B) **359,** 201
Pyroelectricity. Pyroelectric X-ray generator, *Scientific correspondence,* (Brownridge, J D) **358,** 287
Quantization, charge. Is charge quantization exact?, *News and views,* (Maddox, J) **358,** 449
Quantum chaos. Quantum chaos, *Review article,* (Jensen, R V) **355,** 311
Quantum mechanics: Bringing order out of chaos, *News and views,* (Jensen, R V) **355,** 591
Quantum cryptography. Cryptography: Beating the code breakers, *News and views,* (Ekert, A) **358,** 14
Quantum dots. Solid state physics: Looking inside quantum dots, *News and views,* (Eaves, L) **357,** 540
Quantum electrodynamics. Short-range flaws, *Scientific correspondence,* (Duplantier, B, Jolicoeur, T) **356,** 24
High-energy physics: Casting more light on light, *News and views,* (Miller, D J) **357,** 285
Which theory?, *Scientific correspondence,* (Kennedy, D C) **357,** 449
Questions in particle theory, *Scientific correspondence,* (Schwartz, J) **359,** 112
Quantum mechanics. Observation of an electronic bound state above a potential well, *Letter to Nature,* (Capasso, F, Sirtori, C, Faist, J, Sivco, D L, Chu, S-N G, Cho, A Y) **358,** 565
Quantum mechanics: Trapped in mid-air, *News and views,* (Washburn, S) **358,** 537
Surmounting fluctuating barriers, *News and views,* (Maddox, J) **359,** 771
Energy levels by path integration, *News and views,* (Maddox, J) **358,** 707
Mark Kac, *Correspondence,* (Cox, N J) **359,** 356
Quantum mechanics: Magnets get their act together, *News and views,* (Stamp, P) **359,** 365
Quantum mechanics: Bringing order out of chaos, *News and views,* (Jensen, R V) **355,** 591
Quantum optics. Boffin: A personal story of the early days of radar, radio-astronomy and quantum optics, *Book review by* Jones, R V. **356,** 299
Quantum optics: Practical Schrödinger's cats, *News and views,* (Knight, P) **357,** 438
Quantum optics: New spectroscopic frontiers, *News and views,* (Barnett, S M) **357,** 537
Quantum optics: Crystals with a light touch, *News and views,* (Steane, A, Foot, C) **358,** 715
Who needs a new magnetometer?, *News and views,* (Maddox, J) **359,** 191
Quantum physics. White dwarfs as quantum crystals, *Letter to Nature,* (Chabrier, G, Ashcroft, N W, DeWitt, H E) **360,** 48
Astronomy: Stars at the quantum limit, *News and views,* (Joss, P C) **360,** 15
The geometric phase, *Review article,* (Anandan, J) **360,** 307
Low-temperature physics: Superfluid gyroscope, *News and views,* (Hess, G B) **359,** 192
Single-electron transfer in metallic nanostructures, *Review article,* (Devoret, M H, Esteve, D, Urbina, C) **360,** 547
Quarks. Nonproliferation theory, *News and views,* **358,** 281
Quartz, metamorphism. Effect of temperature on shock metamorphism of single-crystal quartz, *Letter to Nature,* (Langenhorst, F, Deutsch, A, Stöffler, D, Hornemann, U) **356,** 507
Quartz, mineralogy. A molecular water pump in quartz dislocations, *Letter to Nature,* (Heggie, M I) **355,** 337
Quasars. Cosmology: Feeding the beast, *News and views,* (Sanders, D) **356,** 284
Active galactic nuclei: Brilliance without black holes, *News and views,* (Robinson, A) **359,** 104
The O/C abundance ratio in absorbing gas clouds at high redshift, *Letter to Nature,* (Reimers, D, Vogel, S, Hagen, H-J, Engels, D, Groote, D, Wamsteker, W, Clavel, J, Rosa, M R) **360,** 561
Astrophysical jets: Squeezing gas through space, *News and views,* (Wiita, P J) **355,** 499
Cosmology: Radiation treatment for CDM, *News and views,* (Hogan, C J) **355,** 585
Compton Observatory: Gamma-ray power from 3C279, *News and views,* (Bignami, G F) **355,** 299
Quasibiennial oscillation. Climate: Predicting El Niño events, *News and views,* (Ropelewski, C F) **356,** 476
***R* value.** Free *R* value: a novel statistical quantity for assessing the accuracy of crystal structures, *Letter to Nature,* (Brünger, A T) **355,** 472
Rab proteins. Exocytotic fusion is activated by Rab3a peptides, *Letter to Nature,* (Oberhauser, A F, Monck, J R, Balch, W E, Fernandez, J M) **360,** 271
Rabies virus. Evidence for a viral superantigen in humans, *Letter to Nature,* (Lafon, M, Lafage, M, Martinez-Arends, A, Ramirez, R, Vuillier, F, Charron, D, Lotteau, V, Scott-Algara, D) **358,** 507
Superantigen data, *Scientific correspondence,* (Fraser, J D, Lafon, M) **360,** 423
Rabies. Dog's dinner, *News and views,* **357,** 441
Eradication of rabies in Europe, *Scientific correspondence,* (Flamand, A, Coulon, P, Lafay, F, Kappeler, A, Artois, M, Aubert, M, Blancou, J, Wandeler, A I) **360,** 115
Rabies in wild dogs, *Scientific correspondence,* (Burrows, R) **359,** 277
Rabies in Peru, *News and views,* **355,** 681
Rac proteins. Signal transduction: Rac and Rho in tune, *News and views,* (Downward, J) **359,** 273
Race riots. Realities behind riots, *Opinion,* **357,** 179
Racial characteristics. How to publish the unpalatable?, *News and views,* (Maddox, J) **358,** 187
Radar. Boffin: A personal story of the early days of radar, radio-astronomy and quantum optics, *Book review by* Jones, R V. **356,** 299
Echoes of war: The story of H2S radar, *Book review by* Jones, R V. **355,** 307
Radiation damage. Alpha-particles and leukaemia, *Scientific correspondence,* (Mole, R H, Baverstock, K F, Sankaranarayanan, K) **357,** 369
Alpha-particles and leukaemia - Reply, *Scientific correspondence,* (Wright, E) **357,** 369
The *wee1* protein kinase is required for radiation-induced mitotic delay, *Letter to Nature,* (Rowley, R, Hudson, J, Young, P G) **356,** 353
Action spectrum for DNA damage in alfalfa lowers predicted impact of ozone depletion, *Letter to Nature,* (Quaite, F E, Sutherland, B M, Sutherland, J C) **358,** 576
Transmission of chromosomal instability after plutonium α-particle irradiation, *Letter to Nature,* (Kadhim, M A, Macdonald, D A, Goodhead, D T, Lorimore, S A, Marsden, S J, Wright, E G) **355,** 738
Radiation biology: Alpha-particle after effects, *News and views,* (Evans, H J) **355,** 674
Radiation exposure, health risks. Epidemiology: Leukaemia linked to radiation, *News,* (Aldhous, P) **355,** 381
Radiation exposure. In defence of radioactive journals, *Scientific correspondence,* (Mims, F M III) **359,** 784
Radiation, health hazards. NAS to redo atomic studies found to be flawed, *News,* (Anderson, C) **359,** 354
Radiation, mutation. Chromosomal instability, *Scientific correspondence,* (Sabatier, L, Dutrillaux, B, Martin, M B) **357,** 548
Radio emission, supernova 1987A. A model for the radio brightness of the supernova remnant 1987A, *Letter to Nature,* (Chevalier, R A) **355,** 617
Radio galaxies. Astrophysical jets: Squeezing gas through space, *News and views,* (Wiita, P J) **355,** 499
Radio jets. A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942, *Letter to Nature,* (Mirabel, I F, Rodríguez, L F, Cordier, B, Paul, J, Lebrun, F) **358,** 215
High-energy astronomy: The big accelerator in the sky, *News and views,* (Phinney, E S) **358,** 189
Astrophysical jets: Squeezing gas through space, *News and views,* (Wiita, P J) **355,** 499

Three-dimensional motion in the radio jet of the binary system R Aquarii, *Letter to Nature*, (Lehto, H J, Johnson, D R H) **355,** 705

Radio pulsars. Pulsed high-energy γ-rays from the radio pulsar PSR1706-44, *Letter to Nature*, (Thompson, D J, Arzoumanian, Z, Bertsch, D L, Brazier, K T S, D'Amico, N, Fichtel, C E, Fierro, J M, Hartman, R C, Hunter, S D, Johnston, S, Kanbach, G, Kaspi, V M, Kniffen, D A, Lin, Y C, Lyne, A G, Manchester, R N, Mattox, J R, Mayer-Hasselwander, H A, Michelson, P F, Montigny, C v, Nel, H I, Nice, D, Nolan, P L, Pinkau, K, Rothermel, H, Schneid, E J, Sommer, M, Sreekumar, P, Taylor, J H) **359,** 615

A brief history of pulsar time, *News and views*, (Blandford, R D) **359,** 675

Radio scintillation astronomy. Distribution of plasma turbulence in our Galaxy derived from radio scintillation maps, *Letter to Nature*, (Hajivassiliou, C A) **355,** 232

Radioactive contamination. Soviets reported to have dumped nuclear waste in Arctic, *News*, (Watson, T) **358,** 444

Radioactive materials, storage. Storing plutonium, *Correspondence*, (Berkhout, F, Feiveson, H) **359,** 769

How secure?, *Correspondence*, (Baker, R) **359,** 100

Radioactivity, paper. Measuring shelf afterlife, *Scientific correspondence*, (Singh, B, Taylor, H W) **356,** 293

Radioastronomy. Active galaxies: Invisible jet sheds new light, *News and views*, (Garrington, S) **355,** 771

Two types of extragalactic jets, *News and views*, (Garrington, S) **355,** 771

Optical counterpart of the east radio lobe of M87, *Letter to Nature*, (Stiavelli, M, Biretta, J, Møller, P, Zeilinger, W W) **355,** 802

A counterjet in the elliptical galaxy M87, *Letter to Nature*, (Sparks, W B, Fraix-Burnet, D, Macchetto, F, Owen, F N) **355,** 804

Boffin: A personal story of the early days of radar, radio-astronomy and quantum optics, *Book review by* Jones, R V. **356,** 299

Spin-up and recovery in the 1989 glitch of the Crab pulsar, *Letter to Nature*, (Lyne, A G, Smith, F G, Pritchard, R S) **359,** 706

Pulsar glitches as probes of neutron star interiors, *Letter to Nature*, (Link, B, Epstein, R I, Van Riper, K A) **359,** 616

Resolution of the circumstellar gas around the Be star Persei, *Letter to Nature*, (Dougherty, S M, Taylor, A R) **359,** 808

A brief history of pulsar time, *News and views*, (Blandford, R D) **359,** 675

Electron density fluctuations in the local interstellar bubble, *Letter to Nature*, (Phillips, J A, Clegg, A W) **360,** 137

Identification of the nebula G70.7+1.2 as a bow shock powered by a pulsar/Be-star binary, *Letter to Nature*, (Kulkarni, S R, Vogel, S N, Wang, Z, Wood, D O S) **360,** 139

Pulsars to star in forthcoming UK music festival, *News*, (Pease, R) **360,** 96

A cluster of protogalaxies at redshift 3.4?, *Letter to Nature*, (Subramanian, K, Swarup, G) **359,** 512

Radio days of a remnant supernova, *News and views*, (Lindley, D) **355,** 113

Birth of a radio supernova in supernova remnant 1987A, *Letter to Nature*, (Staveley-Smith, L, Manchester, R N, Kesteven, M J, Campbell-Wilson, D, Crawford, D F, Turtle, A J, Reynolds, J E, Tzioumis, A K, Killeen, N E B, Jauncey, D L) **355,** 147

Radiocarbon dating. Direct radiocarbon dates for prehistoric paintings at the Altamira, El Castillo and Niaux caves, *Letter to Nature*, (Valladas, H, Cachier, H, Maurice, P, Bernaldo de Quiros, F, Clottes, J, Valdés, V C, Uzquiano, P, Arnold, M) **357,** 68

Archaeology: Under the skin of Narca, *News and views*, (Bray, W) **358,** 19

Radiometry. The age of the earth, *Book review by* Nisbet, E G. **360,** 390

Raf protein. Raf functions downstream of Ras1 in the Sevenless signal transduction pathway, *Letter to Nature*, (Dickson, B, Sprenger, F, Morrison, D, Hafen, E) **360,** 600

Cell biology: A signal chain of events, *News and views*, (Roberts, T M) **360,** 534

Rain forests. Sustainable populations?, *Scientific correspondence*, (Hambler, C, Whitmore, T C) **356,** 294

Diversity and the tropical rainforest, *Book review by* Colinvaux, P. **356,** 625

Randi, James. Psychics in court, *Opinion*, **355,** 284

Random walks. Territory covered by *N* diffusing particles, *Letter to Nature*, (Larralde, H, Trunfio, P, Havlin, S, Stanley, H E, Weiss, G H) **355,** 423

Statistical physics: New paths for random walkers, *News and views*, (Shlesinger, M F) **355,** 396

RAP74 molecule. Characterization of cDNA for the large subunit of the transcription initiation factor TFIIF, *Letter to Nature*, (Aso, T, Vasavada, A, Kawaguchi, T, Germino, F J, Ganguly, S, Kitajima, S, Weissman, S M, Yasukochi, Y) **355,** 461

A cDNA encoding RAP74, a general initiation factor for transcription by RNA polymerase II, *Letter to Nature*, (Finkelstein, A, Kostrub, C F, Li, J, Chavez, D P, Wang, B Q, Fang, S M, Greenblatt, J, Burton, Z F) **355,** 464

Rapamycin. Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase, *Letter to Nature*, (Kuo, C J, Chung, J, Fiorentino, D F, Flanagan, W M, Blenis, J, Crabtree, G R) **358,** 70

Ras proteins. Association between GTPase activators for Rho and Ras families, *Letter to Nature*, (Settleman, J, Albright, C F, Foster, L C, Weinberg, R A) **359,** 153

Aberrant regulation of *ras* proteins in malignant tumour cells from type 1 neurofibromatosis patients, *Letter to Nature*, (Basu, T N, Gutmann, D H, Fletcher, J A, Glover, T W, Collins, F S, Downward, J) **356,** 713

RAS regulation: NF is enough of GAP, *News and views*, (Bollag, G, McCormick, F) **356,** 663

Involvement of $p21^{ras}$ in *Xenopus* mesoderm induction, *Letter to Nature*, (Whitman, M, Melton, D A) **357,** 252

Molecular cloning of cDNAs encoding a guanine-nucleotide-releasing factor for Ras p21, *Letter to Nature*, (Shou, C, Farnsworth, C L, Neel, B G, Feig, L A) **358,** 351

Signal transduction: Exchange rate mechanisms, *News and views*, (Downward, J) **358,** 282

Raf functions downstream of Ras1 in the Sevenless signal transduction pathway, *Letter to Nature*, (Dickson, B, Sprenger, F, Morrison, D, Hafen, E) **360,** 600

Association of the Shc and Grb2/Sem5 SH2-containing proteins is implicated in activation of the Ras pathway by tyrosine kinases, *Letter to Nature*, (Rozakis-Adcock, M, McGlade, J, Mbamalu, G, Pelicci, G, Daly, R, Li, W, Batzer, A, Thomas, S, Brugge, J, Pelicci, P G, Schlessinger, J, Pawson, T) **360,** 689

Cell biology: A signal chain of events, *News and views*, (Roberts, T M) **360,** 534

Phosphorylation of the *S. cerevisiae* Cdc25 in response to glucose results in its dissociation from Ras, *Letter to Nature*, (Gross, E, Goldberg, D, Levitzki, A) **360,** 762

***ras* proto-oncogene.** Involvement of $p21^{ras}$ in *Xenopus* mesoderm induction, *Letter to Nature*, (Whitman, M, Melton, D A) **357,** 252

Involvement of $p21^{ras}$ in activation of extracellular signal-regulated kinase 2, *Letter to Nature*, (de Vries-Smits, A M M, Burgering, B M Th, Leevers, S J, Marshall, C J, Bos, J L) **357,** 602

Ratites. Relative differences, *News and views*, **359,** 363

Kiwi's egg, *Scientific correspondence*, (Morgan, E) **355,** 401

Rb-Sr dating. Alleghenian age of the Upper Mississippi Valley zinc-lead deposit determined by Rb-Sr dating of sphalerite, *Letter to Nature*, (Brannon, J C, Podosek, F A, McLimans, R K) **356,** 509

Reaction dynamics. Acceleration of the rate of nitrite oxidation by freezing in aqueous solution, *Letter to Nature*, (Takenaka, N, Ueda, A, Maeda, Y) **358,** 736

Reaction dynamics: Collision complexes clocked in real time, *News and views*, (Grice, R) **359,** 584

Femtosecond laser control of a chemical reaction, *Letter to Nature*, (Potter, E D, Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) **355,** 66

recA enzyme. Structure of the recA protein-ADP complex, *Letter to Nature*, (Story, R M, Steitz, T A) **355,** 374

The structure of the *E. coli recA* protein monomer and polymer, *Article*, (Story, R M, Weber, I T, Steitz, T A) **355,** 318

Molecular biology: recA: from locus to lattice, *News and views*, (McEntee, K) **355,** 302

Receptor design. Supramolecular chemistry: New synthetic receptors, *News and views*, (Lindoy, L F) **356,** 197

Receptor stoichiometry. Prediction of the structure of a receptor-protein complex using a binary docking method, *Letter to Nature*, (Stoddard, B L, Koshland Jr, D E, Stoddard, B L, Koshland Jr, D E) **358,** 774

Receptors, oxytocin. Structure and expression of a human oxytocin receptor (Correction), *Letter to Nature*, (Kimura, T, Tanizawa, O, Mori, K, Brownstein, M J, Okayama, H) **357,** 176

Receptors. Receptor, *Journal review*, (Bourne, H R, Litwack, G) **359,** 443

Reciprocal altruism. Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206

Recombinant DNA technology. Gene therapy panel: NIH merger to shorten review, *News*, (Gershon, D) **355,** 664

Red giants. Nucleosynthesis: Flashing giants forge fluorine, *News and views*, (Mathews, G J) **359,** 18

Asymptotic-giant-branch stars, *News and views*, (Mathews, G J) **359,** 18

Red Rectangle. CH^+ in the Red Rectangle, *Scientific correspondence*, (Hall, D I, Miles, J R, Sarre, P J, Fossey, S J) **358,** 629

Redshifts, gamma-ray bursts. Estimating redshifts for gamma-ray bursts, *Letter to Nature*, (Paczynski, B) **355,** 521

Redundancies. SKB announces UK redundancies and realignment, *News*, (Abbott, A, Mundell, I) **359,** 96

Regeneration research. A history of regeneration research: Milestones in the evolution of a science, *Book review by* Mittwoch, U. **356,** 671

Regeneration, sea lilies. Regeneration in sea lilies, *Scientific correspondence*, (Amemiya, S, Oji, T) **357,** 546

Relativity theory. Einstein and Brandenburg, *News*, **357,** 103

Relativity. Experimental constraints on strong-field relativistic gravity, *Article*, (Taylor, J H, Wolszczan, A, Damour, T, Weisberg, J M) **355,** 132

General relativity: The good companions, *News and views*, (Will, C M) **355,** 111

Religion, and science. Science and Religion: Some Historical Perspectives, *Book review by* Temperley, H N V. **359,** 685

Remote sensing, geodesy. Plate tectonics: Geodesy tracks plate motion, *News and views*, (Hudnut, K W) **355,** 681

Remote sensing, global change. Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662

Remote sensing. Tropical stratospheric circulation deduced from satellite aerosol data, *Letter to Nature*, (Trepte, C R, Hitchman, M H) **355,** 626

Thermal disequilibrium at the top of volcanic clouds and its effect on estimates of the column height, *Letter to Nature*, (Woods, A W, Self, S) **355,** 628

Remote sensing: ERS-1 data still in the works, *News*, (Aldhous, P) **355,** 288

Japanese satellite: Earth monitor fails, *News*, (Swinbanks, D) **355,** 661

Renins. X-ray analyses of peptide-inhibitor complexes define the structural basis of specificity for human and mouse renins, *Article*, (Dhanaraj, V, Dealwis, C G, Frazao, C, Badasso, M, Sibanda, B L, Tickle, I J, Cooper, J B, Driessen, H P C, Newman, M, Aguilar, C, Wood, S P, Blundell, T L, Hobart, P M, Geoghegan, K F, Ammirati, M J, Danley, D E, O'Connor, B A, Hoover, D J) **357,** 466

Replication, molecular. Molecular replication, *Review article*, (Orgel, L E) **358,** 203

Reproductive biology. α-Inhibin is a tumour-suppressor gene with gonadal specificity in mice, *Article*, (Matzuk, M M, Finegold, M J, Su, J-G J, Hsueh, A J W, Bradley, A) **360,** 313

Old story, *News and views*, **355,** 110

Complementarity between sperm surface β-1,4-galactosyltransferase and egg-coat ZP3 mediates sperm-egg binding, *Letter to Nature*, (Miller, D J, Macek, M B, Shur, B D) **357,** 589

Reproductive biology: Sex and the male stick insect, *News and views*, (Giorgi, P P) **357,** 444

Production of sperm reduces nematode lifespan, *Letter to Nature*, (Van Voorhies, W A) **360,** 456

Chemical communication: The language of pheromones, *Book review by* Crews, D. **359,** 492

Evolutionary biology: What the sperm count costs, *News and views*, (Partridge, L, Harvey, P H) **360,** 415

Reproductive competition. Strong selection on a gene that influences reproductive competition in a social insect, *Letter to Nature*, (Ross, K G) **355,** 347

Reproductive strategies. Discovery of the spawning area for Japanese eel, *Letter to Nature*, (Tsukamoto, K) **356,** 789

Sperm competition in birds: evolutionary causes and consequences, *Book review by* Kirkpatrick **357,** 30

Female swallow preference for symmetrical male sexual ornaments, *Letter to Nature*, (Møller, A P) **357,** 238

Importance of habitat saturation and territory quality for evolution of cooperative breeding in the Seychelles warbler, *Letter to Nature*, (Komdeur, J) **358,** 493, *Erratum*, **360,** 768

Quantification of role reversal in relative parental investment in a bush cricket, *Letter to Nature*, (Simmons, L W) **358,** 61

Horse scents, *News and views*, **357,** 114

Sibling rivalry and brood sex ratios in polyembryonic wasps, *Letter to Nature*, (Grbic, M, Ode, P J, Strand, M R) **360,** 254

Evolutionary biology: Strife among siblings, *News and views*, (Godfray, H C J) **360,** 213

Adders multiply, *Correspondence*, (Jolly, D C) **359,** 266

Parents suppress reproduction and stimulate dispersal in opposite-sex juvenile white-footed mice, *Letter to Nature*, (Wolff, J O) **359,** 409

No evidence for variable duration of sympatry between the great spotted cuckoo and its magpie host, *Letter to Nature*, (Zuñiga, J M, Redondo, T) **359,** 410

Swallowing ornamental asymmetry, *Scientific correspondence*, (Balmford, A, Thomas, A, Borgia, G, Wilkinson, G, Møller, A P) **359,** 488

Cuckoldry through stored sperm in the sequentially polyandrous spotted sandpiper, *Letter to Nature*, (Oring, L W, Fleischer, R C, Reed, J M, Marsden, K E) **359,** 631

Communal nesting patterns in mice implicate MHC genes in kin recognition, *Letter to Nature*, (Manning, C J, Wakeland, E K, Potts, W K) **360,** 581

Behavioural ecology: Of mice and the MHC, *News and views*, (Grafen, A) **360,** 530

Reproductive success. Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667

Extra-pair paternity results from female preference for high-quality males in the blue tit, *Letter to Nature*, (Kempenaers, B, Verheyen, G R, Van den Broeck, M, Burke, T, Van Broeckhoven, C, Dhondt, A A) **357,** 494

Why do female adders copulate so frequently?, *Letter to Nature*, (Madsen, T, Shine, R, Loman, J, Håkansson, T) **355,** 440

Evolutionary biology: Snakes and female sexuality, *News and views*, (Parker, G A) **355,** 395

Reptiles, Palaeocene. Post-Jurassic mammal-like reptile from the Palaeocene, *Letter to Nature*, (Fox, R C, Youzwyshyn, G P, Krause, D W) **358,** 233

Palaeontology: Wandering across time, *News and views*, (Novacek, M J) **358,** 192

No Palaeocene 'mammal-like reptile', *Scientific correspondence*, (Sues, H-D) **359,** 278

Research and development, India. Indian bureaucracy, *Correspondence*, (Lal, A K) **358,** 706

Research and development, US. San Antonio fills research park by making offers that scientists cannot refuse, *Commentary*, (Culliton, B J) **357,** 631

Research appointments, Australia. Australia: Woman to head CSIRO. *News*, (Lawson, M) **355,** 9
Research budget, Japan. Japan prepares spending increase. *News*, (Swinbanks, D) **358,** 359
Research budget, US. Peer review loses out in congressional cutting spree. *News*, (Anderson, C) **357,** 103
Research budgets, India. Indian budget: Tough times ahead. *News*, (Jayaraman, K S) **356,** 97
Research commercialization, France. French commercialisation: New company to target technology transfer. *News*, (Bakewell, D) **356,** 275
Research Corporation Technologies. British Technology Group: Will US rival strip BTG bare?. *News*, (Aldhous, P) **355,** 485
Research councils, Italy. Interest in CNR. *Correspondence*, (Lund, G) **357,** 355
Research councils, UK. Big sciences united in reshuffle of SERC. *News*, (Mundell, I) **357,** 101
Research funding, Australia. Australian universities squeezed. *News*, (Lawson, M) **357,** 101
Australia increases funds for grants and applied research. *News*, (Lawson, M) **358,** 700
Australia: Funding scheme dies. *News*, (Lawson, M) **355,** 663
Research funding, Belgium. Bifurcated Belgium shows the strain from collaboration between cultures. *News*, (Abbott, A) **358,** 445
Belgian science: Battlefield in Flanders over funding. *News*, (Aldhous, P) **355,** 579
Research funding, Bulgaria. Japanese collaboration: The rising price of helping Bulgarian science. *News*, (Swinbanks, D) **356,** 4
Research funding, Canada. Canada commits money for human genome research. *News*, (Spurgeon, D) **357,** 428
Merck promises large grant to university if Canada extends patent protection. *News*, (Spurgeon, D) **359,** 351
Research funding, China. Chinese researchers promised more. *News*, (Li, Y Q) **358,** 182
China juggles economic growth and basic research. *News*, (Li, Y Q) **359,** 177
Research funding, Czechoslovakia. Czech science. *Correspondence*, (Horejsi, V) **359,** 99
Research funding, eastern Europe. Hughes looks east for next expansion. *News*, (Anderson, C) **360,** 504
Research funding, Europe. European research funding: Maastricht drives R&D to the market. *News*, (Mundell, I) **356,** 650
Delays, confusion over rules hinder EC research projects. *News*, (Abbott, A) **358,** 98
EC asked to supplement Framework. *News*, (Abbott, A) **358,** 443
Confusion about form and function clouds launch of EC's Decade of the Brain. *News*, (Abbott, A) **359,** 260
Crossing the border, crossing the ocean. *News*, (Abbott, A) **359,** 260
Doubts grow faster than budget in new Framework plan. *News*, (Abbott, A) **359,** 471
Support from the workers. *News*, **360,** 512
Norway: It's time to reorganize. *News*, **360,** 520
Europe's false star. *Opinion*, **355,** 660
EC research: Delors asks for doubled budget. *News*, (Aldhous, P) **355,** 666
Research funding, France. French increase ties with industry but researchers still face hurdles. *News*, (Butler, D) **358,** 531
Science fares well in tight 1993 French budget. *News*, (Butler, D) **359,** 568
Research funding, Germany. Germans to shift funding from physics to biology. *News*, (Abbott, A) **357,** 182
Germany seeks new funds to meet costs. *News*, (Abbott, A) **357,** 182
Max Planck supports research in east as cost of reunification climbs. *News*, (Abbott, A) **357,** 268
Max Planck funds small projects. *News*, (Abbott, A) **357,** 269
German states offer to trade power for money. *News*, (Abbott, A) **358,** 361
New German budget aims to restore eastern science. *News*, (Abbott, A) **358,** 442
Fraunhofer institutes told to get more from industry. *News*, (Abbott, A) **360,** 96
Research funding, India. India goes to sea for research funds. *News*, (Jayaraman, K S) **357,** 183
Five-year plan cuts funding for Indian laboratories. *News*, (Jayaraman, K S) **360,** 7
Research funding, Italy. Power and money. *Correspondence*, (Fraccaro, M) **356,** 10
Italian space scientists win round in funding. *News*, (Abbott, A) **357,** 351
Italian peer review under pressure. *News*, (Abbott, A) **358,** 9
Electoral ploy?. *Correspondence*, (Amati, P) **358,** 706
Research funding, Japan. Japanese companies trim spending on research. *News*, (Swinbanks, D) **356,** 93
Japanese philanthropy: New science institute. *News*, (Swinbanks, D) **356,** 647
Without a way to measure their success, Japanese projects are very hard to stop. *News*, (Swinbanks, D) **357,** 619
Fifth generation project lives on. *News*, (Swinbanks, D) **357,** 619
Japan 'loses' new funds for research infrastructure. *News*, (Swinbanks, D) **358,** 530
Big increase for MITI budget emphasizes energy technology. *News*, (Swinbanks, D) **359,** 4
More for space and genome database. *News*, (Swinbanks, D) **359,** 4
Japan endorses local touch. *News*, (Swinbanks, D) **359,** 354
Research funding, New Zealand. New Zealand tries to bring science closer to industry. *News*, (Lawson, M) **357,** 620
Research funding, Poland. Sciences against the odds in Poland. *Commentary*, (Aldhous, P) **355,** 385
Research funding, Russia. Russian research may be put on lean diet. *News*, (Pokrovsky, V) **357,** 530
Internal politics block proposal by Russians to create foundation for basic research. *News*, (Pokrowsky, V) **358,** 9
Livermore laboratory buys Russian papers on laser technology. *News*, (Mervis, J) **360,** 199
Russian science: New broom sweeps cleaner. *News*, (Maddox, J) **355,** 383
Research funding, South Africa. South Africa: Report asks more for academic science. *News*, (Cherry, M) **356,** 9
Research funding, Switzerland. Swiss launch environment programme. *News*, (Klaffke, O) **358,** 531
Research funding, The Netherlands. Dutch shake up funding council, shift its emphasis. *News*, (Mundell, I) **360,** 6
Research funding, UK. Thirty years back. *Opinion*, **356,** 644
New university funding council to reward potential. *News*, (Mundell, I) **358,** 100
UK agricultural funding leans towards policy. *News*, (Mundell, I) **358,** 268
British report real decline in spending on research. *News*, (Maddox, J) **358,** 359
Wellcome Trust to double spending after sale of shares. *News*, (Mundell, I) **358,** 359
Virtues of small universities. *Correspondence*, (Wolfendale, A W) **357,** 622
Welcoming Wellcome. *Opinion*, **358,** 440
Report urges UK universities to recoup full overhead costs. *News*, (Abbott, A) **358,** 528
UK science budget to grow despite economic woes and cap on salaries. *News*, (Dickson, D) **360,** 197
Rebuild research now. *Opinion*, **359,** 258
Worthy proposals get second life. *News*, (Mundell, I) **359,** 262
Reshuffling of funding councils jeopardizes plans for UK academic computer network. *News*, (Mundell, I) **359,** 468
UK moves closer to free market for research funding. *News*, (Mundell, I) **359,** 470
Research funding, US. Instant initiative. *News*, (Mervis, J) **356,** 98
Industrial research: Physics losing the corporate struggle. *News*, (Anderson, C) **356,** 184
Industrial research: Panel calls for technology company. *News*, (Anderson, C) **356,** 372
Congress slashes 'silly titles'. *News*, (Anderson, C) **357,** 271
The decade of the brain. *Opinion*, **357,** 348
Panel trims NSF budget. *News*, (Mervis, J) **358,** 5
House vote to kill SSC reflects squeeze that budget deficit puts on all research. *News*, (Mervis, J, Anderson, C) **357,** 616
Healy attacks NASA's claims; bad news for research budgets. *News*, (Mervis, J) **358,** 441
New rules loom for US science funding as Congress passes a lean 1993 budget. *News*, (Anderson, C, Mervis, J, Watson, T) **359,** 566
US government asked to fund more industrial research. *News*, (Anderson, C) **358,** 615
AT&T research. *Correspondence*, (Patel, C K N) **358,** 705
US muddles policy on fetal tissue. *Opinion*, **358,** 93
Activism's toll. *Opinion*, **360,** 2
Opponents of US earmarks propose reviews to temper worst elements of growing practice. *News*, (Anderson, C) **360,** 4
Can research benefits be proved?. *Opinion*, **359,** 173
Brown starts debate with his report asking science to improve economy. *News*, (Anderson, C) **359,** 175
Blow struck against US pork-barrel. *News*, (Mervis, J) **359,** 259
First meeting of commission gives Massey a boost in plotting viable future for NSF. *News*, (Mervis, J) **359,** 261
Don't ask for too much, industry tells Congress. *News*, (Mervis, J) **359,** 350
Ludwig estate to support research. *News*, (Watson, T) **359,** 470
Small businesses to get bigger slice of US research pie. *News*, (Anderson, C) **359,** 470
Congress supports breast cancer research by taking $210 million from military. *News*, (Watson, T) **359,** 471
Paying for research. *Opinion*, **355,** 96
US government targets indirect cost agreements. *News*, (Anderson, C) **355,** 97
Science politics: At frontier's end, the "P" word. *News*, (Anderson, C, Lindley, D) **355,** 487
Research funding. Hughes Medical Institute reaches further out. *News*, (Anderson, C) **357,** 101
US and EC launch separate foundations to help Russians. *News*, (Anderson, C, Mundell, I) **359,** 767
Funding errors. *Correspondence*, (Rakitzis, E T) **359,** 9
The grant racket. *Correspondence*, (Ross, P M) **355,** 197
Research grants, Japan. Physical sciences dominate Japan's special grant awards. *News*, (Swinbanks, D) **358,** 446
Research institutes, Czechoslovakia. Czech science. *Correspondence*, (Horejsi, V) **359,** 99
Research institutes, Japan. Semiprivate research: best of both worlds. *News*, **359,** 577
RIKEN - Japan's leading light. *News*, **359,** 578
RITE more right for foreigners than Japanese. *News*, (Swinbanks, D) **360,** 403
Research institutes, Netherlands. Dutch win a reprieve over threatened lab closing. *News*, (Abbott, A) **360,** 402
Research institutes, Russia. Problems delay emergence of Moscow research centre. *News*, (Pokrovsky, V) **358,** 270
Russian roulette?. *Opinion*, **355,** 284
Research institutes, UK. Research groups to leave Hunterian Institute. *News*, (Mundell, I) **358,** 704
Hunterian Institute. *Correspondence*, (Eggleton, P) **360,** 203
Research institutes. New name for an old friend. *News*, **360,** 517
Research overheads, US. Indirect costs: Dingell probe expands. *News*, (Anderson, C) **355,** 484
Research policy, Belgium. Outlook improves for Flemish researchers. *News*, (Abbott, A) **358,** 7
Research policy, France. French research: A speeded-up plan to spread the wealth. *News*, (Bakewell, D) **356,** 373
Research policy, UK. Mystifying manifestos. *Opinion*, **356,** 272
Not on the agenda. *Opinion*, **356,** 366
Waldegrave's dilemma. *Opinion*, **360,** 398
Research policy, US. Congress compromises on rules governing NIH policies. *News*, (Anderson, C) **357,** 267
NSF, NIH differ on reporting conflicts. *News*, (Anderson, C) **359,** 765
Research politics, US. US research politics: Goodwin stumbles. *News*, (Mervis, J) **356,** 6
Of animals and men. *Correspondence*, (Dayis, B D) **357,** 187
Research publication. Melodrama in research publication. *News and views*, (Maddox, J) **355,** 767
Research, Australasia. Squabbling over Australian science. *News*, (Lawson, M) **360,** 504
Research, Europe. EXPO site to become science park. *News*, (Abbott, A) **357,** 528
The young and the restless. *News*, (Abbott, A) **360,** 502
Running out of steam ... *News*, (Segurado, O G) **360,** 502
Heading into an uncertain future. *News*, (Maddox, J, Dickson, D) **360,** 509
Collaboration: yes, but in which direction?. *News*, **360,** 510
Sweden: The times are a-changing. *News*, **360,** 511
Sweden's central role. *News*, **360,** 513
Intellectual inward investment. *News*, **360,** 513
Change at the Karolinska. *News*, **360,** 514
Denmark: Influence beyond its size. *News*, **360,** 516
A council too many?. *News*, **360,** 517
The view from the North. *News*, **360,** 522
EISCAT's place out of the Sun. *News*, **360,** 522
Finland: Faith in a European future. *News*, **360,** 524
Merging for strength. *News*, **360,** 515
Research, France. French research: Publish in English, or perish?. *News*, (Bakewell, D) **356,** 648
Research, Germany. Germany links biology centres. *News*, (Abbott, A) **358,** 268
Research, Human Frontier Science Program. Imaginative biology. *Opinion*, **356,** 272
Frontier research: Strasbourg project grows. *News*, (Maddox, J) **356,** 277
What frontiers for Frontier?. *Commentary*, (Wada, A) **357,** 356
Research, Hungary. Hungary's plans. *Correspondence*, (Nyiri, L) **357,** 432
Research, Italy. Academic standards in Italy. *Correspondence*, (Persico, F) **358,** 364
Research, Japan. Japan's MITI opens domestic R&D projects to foreign participation. *News*, (Swinbanks, D) **360,** 500
Very small plans. *News*, (Swinbanks, D) **360,** 500
Research, Portugal. Industry slows research gains in Portugal. *News*, (Malheiros, J V) **358,** 359
Research, Russia. Russians reject plan for elite research centres. *News*, (Pokrowsky, V) **359,** 468
Research, Serbia. Serbian researchers labour under tightening collar of UN sanctions. *News*, (Abbott, A) **358,** 360
Plight of Bosnia and Croatia. *Correspondence*, (Pravdic, V, Doric, S, Dikic, I) **359,** 571
Research, UK. Research foundations: Wellcome diversifies. *News*, (Aldhous, P) **356,** 8
Nineties' research. *Correspondence*, (Wolff, S) **358,** 366
Research, US. University officials dismiss quick payoff from research funds. *News*, (Watson, T) **358,** 363
Restriction enzymes. Type III restriction enzymes need two inversely oriented recognition sites for DNA cleavage. *Letter to Nature*, (Meisel, A, Bickle, T A, Krüger, D H, Schroeder, C) **355,** 467
Retinoblastoma gene. Retinoblastoma: For our eyes only. *News and views*, (Harlow, E) **359,** 270
Mice deficient for Rb are nonviable and show defects in neurogenesis and haematopoiesis. *Article*, (Lee, E Y-H P, Chang, C-Y, Hu, N, Wang, Y-C J, Lai, C-C, Herrup, K, Lee, W-H, Bradley, A) **359,** 288
Effects of an *Rb* mutation in the mouse. *Article*, (Jacks, T, Fazeli, A, Schmitt, E M, Bronson, R T, Goodell, M A, Weinberg, R A) **359,** 295
Requirement for a functional *Rb-1* gene in murine development. *Letter to Nature*, (Clarke, A R, Robanus Maandag, E, van Roon, M, van der Lugt, N M T, van der Valk, M, Hooper, M L, Berns, A, te Riele, H) **359,** 328
Retinoblastoma protein. Independent binding of the retinoblastoma protein and p107 to the transcription factor E2F. *Letter to Nature*, (Cao, L, Faha, B, Dembski, M, Tsai,

L-H, Harlow, E, Dyson, N) **355,** 176
Retinoblastoma gene product activates expression of the human *TGF-β2* gene through transcription factor ATF-2, *Letter to Nature,* (Kim, S-J, Wagner, S, Liu, F, O'Reilly, M A, Robbins, P D, Green, M R) **358,** 331
Retinoblastoma protein switches the E2F site from positive to negative element, *Letter to Nature,* (Weintraub, S J, Prater, C A, Dean, D C) **358,** 259
Transcriptional regulation: A closer look at E2F, *News and views,* (Nevins, J R) **358,** 375
Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature,* (Goodrich, D W, Lee, W -H) **360,** 177
Erratum: Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature,* (Goodrich, D W, Lee, W -H) **360,** 491
Of mice and men, *Scientific correspondence,* (Holliday, R) **360,** 305
Retinoic acid. Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature,* (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441
Retinoic acid receptors. Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature,* (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446
9-*Cis* retinoic acid stereoisomer binds and activates the nuclear receptor RXRα, *Letter to Nature,* (Levin, A A, Sturzenbecker, L J, Kazmer, S, Bosakowski, T, Huselton, C, Allenby, G, Speck, J, Kratzeisen, Cl, Rosenberger, M, Lovey, A, Grippo, J F) **355,** 359
Homodimer formation of retinoid X receptor induced by 9-*cis* retinoic acid, *Letter to Nature,* (Zhang, X-k, Lehmann, J, Hoffmann, B, Dawson, M I, Cameron, J, Graupner, G, Hermann, T, Tran, P, Pfahl, M) **358,** 587
Convergence of 9-*cis* retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors, *Letter to Nature,* (Kliewer, S A, Umesono, K, Noonan, D J, Heyman, R A, Evans, R M) **358,** 771
Evidence that Hensen's node is a site of retinoic acid synthesis, *Letter to Nature,* (Hogan, B L M, Thaller, C, Eichele, G) **359,** 237
Retinoic acid alters hindbrain *Hox* code and induces transformation of rhombomeres 2/3 into a 4/5 identity, *Letter to Nature,* (Marshall, H, Nonchev, S, Sham, M H, Muchamore, I, Lumsden, A, Krumlauf, R) **360,** 737
Retinoid action. Homodimer formation of retinoid X receptor induced by 9-*cis* retinoic acid, *Letter to Nature,* (Zhang, X-k, Lehmann, J, Hoffmann, B, Dawson, M I, Cameron, J, Graupner, G, Hermann, T, Tran, P, Pfahl, M) **358,** 587
Retinoid X receptor. Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature,* (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441
Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature,* (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446
Retinoids. Convergence of 9-*cis* retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors, *Letter to Nature,* (Kliewer, S A, Umesono, K, Noonan, D J, Heyman, R A, Evans, R M) **358,** 771
Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment, *Letter to Nature,* (Mohanty-Hejmadi, P, Dutta, S K, Mahapatra, P) **355,** 352
Retractions, scientific. The planet vanishes, *Opinion,* **355,** 187
No planet orbiting PSR1829-10, *Scientific correspondence,* (Lyne, A G, Bailes, M) **355,** 213
Retrograde transport. Retrograde transport of endocytosed Shiga toxin to the endoplasmic reticulum, *Letter to Nature,* (Sandvig, K, Garred, O, Prydz, K, Kozlov, J V, Hansen, S H, van Deurs, B) **358,** 510
Reviews. Germane reviews, *Correspondence,* (Wolff, M E) **360,** 506
Rhenium. Post-depositional mobility of platinum, iridium and rhenium in marine sediments, *Letter to Nature,* (Colodner, D C, Boyle, E A, Edmond, J M, Thomson, J) **358,** 402
Rheology. Materials science: The structure of smart fluids, *News and views,* (Whittle, M, Bullough, W A) **358,** 373
Rhine, Sandoz poisoning. Sandoz-funded research from Rhine spill suggests blockages are worse than toxins, *News,* (Klaffke, O, Abbott, A) **359,** 568
Rhinoceros. Skin deep, *News and views,* **359,** 779
***Rhizobium* bacteria.** *Rhizobium*-plant signal exchange, *Review article,* (Fisher, R F, Long, S R) **357,** 655
Rho protein. Association between GTPase activators for Rho and Ras families, *Letter to Nature,* (Settleman, J, Albright, C F, Foster, L C, Weinberg, R A) **359,** 153
Rho proteins. Signal transduction: Rac and Rho in tune, *News and views,* (Downward, J) **359,** 273
Rhodopsin. Rhodopsin inactivation is a modulated process in *Limulus* photoreceptors, *Letter to Nature,* (Richard, E A, Lisman, J E) **356,** 336
Rhubarb. Rhubarb: The wondrous drug, *Book review by* Porter, R, **357,** 121
Ribonuclease A. Crystalline ribonuclease A loses function below the dynamical transition at 220 K, *Letter to Nature,* (Rasmussen, B F, Stock, A M, Ringe, D, Petsko, G A) **357,** 423
Ribonuclease-inhibitor gene. A chimaeric ribonuclease-inhibitor gene restores fertility to male sterile plants, *Article,* (Mariani, C, Gossele, V, De Beuckeleer, M, De Block, M, Goldberg, R B, De Greef, W, Leemans, J) **357,** 384
Plant biology: Twenty-first century crops, *News and views,* (Peacock, J) **357,** 358
Ribonucleoprotein complexes. Signal-sequence recognition by an *Escherichia coli* ribonucleoprotein complex, *Letter to Nature,* (Luirink, J, High, S, Wood, H, Giner, A, Tollervey, D, Dobberstein, B) **359,** 741
Ribosomal proteins. The structure of ribosomal protein S5 reveals sites of interaction with 16S rRNA, *Letter to Nature,* (Ramakrishnan, V, White, S W) **358,** 768
Ribosomes. Ribosome-mediated incorporation of a non-standard amino acid into a peptide through expansion of the genetic code, *Letter to Nature,* (Bain, J D, Switzer, C, Chamberlin, A R, Benner, S A) **356,** 537
Ribozymes. RNA substrate binding site in the catalytic core of the *Tetrahymena* ribozyme, *Article,* (Pyle, A M, Murphy, F L, Cech, T R) **358,** 123
A small metalloribozyme with a two-step mechanism, *Article,* (Pan, T, Uhlenbeck, O C) **358,** 560
RNA catalysis: Evolution on fast-forward, *News and views,* (Jencks, W P) **358,** 543
Rice, genome projects. Genome project: Betting on rice, *News,* (Swinbanks, D) **356,** 181
RIKEN. RIKEN - Handicaps to British 'innovation', *Commentary,* (Kennaway, A) **355,** 198
Japan's leading light, *News,* **359,** 578
Rinderpest. Training for Egyptian scientists, *News,* (Ferrell-Stevens, J) **355,** 194
Risk assessment. Bush delays new risk guidelines, *News,* (Watson, T) **358,** 446
Deflection and fragmentation of near-Earth asteroids, *Review article,* (Ahrens, T J, Harris, A W) **360,** 429
RNA. Three-dimensional heteronuclear NMR studies of RNA, *Letter to Nature,* (Nikonowicz, E P, Pardi, A) **355,** 184
RNA amplification. Competitive PCR, *Product review,* (Siebert, P D, Larrick, J W) **359,** 557
RNA catalysis. RNA catalysis: The universe expands, *News and views,* (Moore, P B) **357,** 439
A small metalloribozyme with a two-step mechanism, *Article,* (Pan, T, Uhlenbeck, O C) **358,** 560
RNA catalysis: Evolution on fast-forward, *News and views,* (Jencks, W P) **358,** 543
RNA degradation. Control of RNase E-mediated RNA degradation by 5'terminal base pairing in *E. Coli*, *Letter to Nature,* (Bouvet, P, Belasco, J G) **360,** 488
RNA editing. *In vitro* guide RNA/mRNA chimaera formation in *Trypanosoma brucei* RNA editing, *Letter to Nature,* (Koslowsky, D J, Göringer, H U, Morales, T H, Stuart, K) **356,** 807
RNA editing: Guides to experiments, *News and views,* (Sollner-Webb, B) **356,** 743
RNA polymerase II. Characterization of cDNA for the large subunit of the transcription initiation factor TFIIF, *Letter to Nature,* (Aso, T, Vasavada, A, Kawaguchi, T, Germino, F J, Ganguly, S, Kitajima, S, Weissman, S M, Yasukochi, Y) **355,** 461
A cDNA encoding RAP74, a general initiation factor for transcription by RNA polymerase II, *Letter to Nature,* (Finkelstein, A, Kostrub, C F, Li, J, Chavez, D P, Wang, B Q, Fang, S M, Greenblatt, J, Burton, Z F) **355,** 464
RNA polymerases. Human general transcription factor IIH phosphorylates the C-terminal domain of RNA polymerase II, *Article,* (Lu, H, Zawel, L, Fisher, L, Egly, J-M, Reinberg, D) **358,** 641
Gene regulation: Transcriptional transgressions, *News and views,* (Green, M R) **357,** 364
Transcription: The tell-tail trigger, *News and views,* (Peterson, M G, Tjian, R) **358,** 620
RNA splicing. Are vertebrate exons scanned during splice-site selection?, *Letter to Nature,* (Niwa, M, MacDonald, C C, Berget, S M) **360,** 277
Spliced leader RNAs from lower eukaryotes are *trans*-spliced in mammalian cells, *Letter to Nature,* (Bruzik, J P, Maniatis, T) **360,** 692
RNA structure. Functional contacts of a transfer RNA synthetase with 2'-hydroxyl groups in the RNA minor groove, *Letter to Nature,* (Musier-Forsyth, K, Schimmel, P) **357,** 513
Westhof's rule, *Scientific correspondence,* (Westhof, E) **358,** 459
RNA viruses. Cardioviral internal ribosomal entry site is functional in a genetically engineered dicistronic poliovirus, *Letter to Nature,* (Molla, A, Jang, S K, Paul, A V, Reuer, Q, Wimmer, E) **356,** 255
Pol of gag-pol fusion protein required for encapsidation of viral RNA of yeast L-A virus, *Letter to Nature,* (Fujimura, T, Ribas, J C, Makhov, A M, Wickner, R B) **359,** 746
RNA world. A small metalloribozyme with a two-step mechanism, *Article,* (Pan, T, Uhlenbeck, O C) **358,** 560
RNA catalysis: Evolution on fast-forward, *News and views,* (Jencks, W P) **358,** 543
RNA, messenger. Gene manipulation on plastic plates, *Product review,* (Mitsuhashi, M, Keller, C, Akitaya, T) **357,** 519
RNA, ribosomal. The structure of ribosomal protein S5 reveals sites of interaction with 16S rRNA, *Letter to Nature,* (Ramakrishnan, V, White, S W) **358,** 768
Rock paintings. 'Blue ostriches' captured, *Correspondence,* (Tobias, P V, Dowson, T A, Lewis-Williams, J D) **358,** 185
Rodents. Origin of rodents and guinea-pigs, *Scientific correspondence,* (Li, W-H, Hide, W A, Graur, D) **359,** 277
Rotaxanes. Picking up the chemical thread, *News and views,* (Ball, P) **356,** 290
The molecular necklace: a rotaxane containing many threaded α-cyclodextrins, *Letter to Nature,* (Harada, A, Li, J, Kamachi, M) **356,** 325
Royal Observatories. UK astronomy: Shakeup for Royal Observatories, *News,* (Aldhous, P) **355,** 380
Royal Society. Saving the world, *Opinion,* **355,** 752
National Academy/Royal Society: Warning on population growth, *News,* (Maddox, J) **355,** 759
Philosophical transactions of the Royal Society: Biological sciences (Series B), *Journal review,* (Wills, C, Bone, Q) **359,** 438
Proceedings of the Royal Society: Biological sciences (Series B), *Journal review,* (Wills, C, Clarke, B C) **359,** 438
Royal Society wants extra powers for science office, *News,* (Mundell, I) **359,** 469
Running velocity. No improvement in running?, *Scientific correspondence,* (Lichtenberg, D B, Julin, A L, Sugden, P H) **356,** 21
Will women soon outrun men?, *Scientific correspondence,* (Whipp, B J, Ward, S A) **355,** 25
Russia, Academy of Sciences. Russian academy vote excludes Jews, *News,* (Pokrovsky, V, Pokrovsky, V) **357,** 617
Russia, astronomy. Freedom does not bring money, *Correspondence,* (Bochkarev, N G, Chernin, A D, Efremov, Yu N, Samus, N N, Zasov, A V) **355,** 384
Russia, ecology. Yeltsin's ecology adviser chips away at a sorry past, *News,* (Mervis, J) **360,** 198
Russia, economics. Russian science faces economic crisis, *News and views,* (Maddox, J) **355,** 391
Russia, National Academy of Sciences. Russian academy institutes told to set priorities, *News,* (Pokrowsky, V) **360,** 198
Russia, nuclear weapons. Saving Russian science: Stopping the Russian nuclear brain drain, *News,* (Land, T) **355,** 576
Russia, research funding. Ocean monitoring: Economic crisis squeezes data, *News,* (Mundell, I) **356,** 372
Russian research may be put on lean diet, *News,* (Pokrovsky, V) **357,** 530
Internal politics block proposal by Russians to create foundation for basic research, *News,* (Pokrowsky, V) **358,** 9
Livermore laboratory buys Russian papers on laser technology, *News,* (Mervis, J) **360,** 199
Russia, research institutes. Problems delay emergence of Moscow research centre, *News,* (Pokrovsky, V) **358,** 270
Russian roulette?, *Opinion,* **355,** 284
Russia, research. Russians reject plan for elite research centres, *News,* (Pokrowsky, V) **359,** 468
Russia, science. Russian science: A way to wean weapons makers, *News,* (Mervis, J) **355,** 756
Light at the end of the tunnel?, *Correspondence,* (Romanovsky, A A) **356,** 100
Russian science centre: Profit motive faces stiff challenge, *News,* (Mervis, J) **356,** 276
Russian science centre: Politicians to call funding shots at the centre, *News,* (Mervis, J) **356,** 276
Taking Russia's pulse, *News,* (Mervis, J) **356,** 279
US/Russia collaboration: Russians want business, not charity, *News,* (Mervis, J) **356,** 370
New foundation to fund Russian biologists, *News,* (Pokrowsky, V, Mervis, J) **357,** 431
Russian summer hopes dwarf doubts, *News and views,* (Maddox, J) **357,** 357
Russian science faces economic crisis, *News and views,* (Maddox, J) **355,** 391
Russian science: New broom sweeps cleaner, *News,* (Maddox, J) **355,** 383
Recipe for ex-Soviet republics' science, *Opinion,* **355,** 1
Support for Russia *et al.*, *Correspondence,* (Godfrey, J, Hazhakyan, A M) **355,** 195
Saving Russian science: Will aplenty, but is there a way?, *News,* (Anderson, C) **355,** 576
Russia, Soviet dissolution. What to do with the former Soviet Union, *Opinion,* **355,** 377
Russia, universities. Russian science: New broom sweeps cleaner, *News,* (Maddox, J) **355,** 383
Russia-India cooperation. Rajiv Gandhi, *Correspondence,* (Raju, N P) **357,** 105
India/Russia cooperation: Joint projects lack money, *News,* (Jayaraman, K S) **356,** 185
India/Russia cooperation: Russians look to India for jobs, *News,* (Jayaraman, K S) **356,** 185
New foundation to fund Russian biologists, *News,* (Pokrowsky, V, Mervis, J) **357,** 431
Russia-US collaboration. Anything left for civilian science?, *News,* (Mervis, J) **358,** 270
Russia. Plant collections endangered in Eastern Europe and Russia, *News,* (Butler, D) **360,** 201
Russian Academy of Sciences. Russian academy makes deal with US company on journals, *News,* (Pokrowsky, V) **359,** 176
Russian science: New broom sweeps cleaner, *News,* (Maddox, J) **355,** 383
Saccharomyces. Anatomy of a transcription factor important for the Start of the cell cycle in *Saccharomyces cerevisiae*, *Letter to Nature,* (Primig, M, Sockanathan, S, Auer, H, Nasmyth, K) **358,** 593
SAGE neutrino experiment. Solar neutrinos: Is no SNUs good

news?, *News and views*, (Krauss, L M) **355,** 399
Salaries, Australia. Australia steps up, *News*, (Lawson, M) **356,** 469
Salaries. Rising salaries: China drives forward, *News*, (Li, Y Q) **356,** 469
Salinity, Black Sea. Changes in the hydrochemistry of the Black Sea inferred from water density profiles, *Letter to Nature*, (Tugrul, S, Basturk, O, Saydam, C, Yilmaz, A) **359,** 137
Salinity, North Atlantic. Cooling and freshening of the subpolar North Atlantic Ocean since the 1960s, *Letter to Nature*, (Read, J F, Gould, W J) **360,** 55
Ocean circulation: Global warming, ocean cooling, *News and views*, (Clarke, A) **360,** 17
Salinity, oceans. Changes in surface salinity of the North Atlantic Ocean during the last deglaciation, *Letter to Nature*, (Duplessy, J C, Labeyrie, L, Arnold, M, Paterne, M, Duprat, J, van Weering, T C E) **358,** 485
Salk Institute. Brian Henderson named president of Salk Institute *News*, (Watson, T) **359,** 569
Salmonella. Involvement of the epidermal growth factor receptor in the invasion of cultured mammalian cells by *Salmonella typhimurium*, *Letter to Nature*, (Galán, J E, Pace, J, Hayman, M J) **357,** 588
Cell biology: Devious devices of *Salmonella*, *News and views*, (Portnoy, D A, Smith, G A) **357,** 536
Salt. Salt and civilization, *Book review by* Foust, C M. **358,** 550
San Andreas fault. A shear-strain anomaly following the Loma Prieta earthquake, *Letter to Nature*, (Gwyther, R L, Gladwin, M T, Hart, R H G) **356,** 142
Rock mechanics: Greasing the fault, *News and views*, (Evans, B) **358,** 544
Weakness amidst strength, *News and views*, (Scholz, C H) **359,** 677
Changes in static stress on southern California faults after the 1992 Landers earthquake, *Letter to Nature*, (Harris, R A, Simpson, R W) **360,** 251
Earthquakes: Californians feel the tension, *News and views*, (Henyey, T) **360,** 206
Plate tectonics: Geodesy tracks plate motion, *News and views*, (Hudnut, K W) **355,** 681
Sand piles. Forest fires, sandpiles and the like, *News and views*, (Maddox, J) **359,** 359
Sandoz. Sandoz-funded research from Rhine spill suggests blockages are worse than toxins, *News*, (Klaffke, O, Abbott, A) **359,** 568
Sarcomas. Amplification of a gene encoding a p53-associated protein in human sarcomas, *Letter to Nature*, (Oliner, J D, Kinzler, K W, Meltzer, P S, George, D L, Vogelstein, B) **358,** 80
Satellites, atmospheric research. Earth observing system: Smaller, but still controversial, *News*, (Anderson, C) **356,** 370
Satellites, COBE. Evidence for some hot dark matter?, *Scientific correspondence*, (Schaefer, R K, Shafi, Q) **359,** 199
Satellites, Compton Gamma-Ray Observatory. Gamma-ray bursts: Spectral breaks for theorists, *News and views*, (Baring, M G) **358,** 624
Satellites, Earth-observing. More green for greener satellites, *News*, (Mundell, I) **357,** 9
Satellites, engineering. NASA on a tether, *Opinion*, **358,** 526
NASA's problems in space eat into time for research, *News*, (Mundell, I) **358,** 529
NASA on a tether, *Correspondence*, (Colles, W M) **359,** 472
Satellites, global change. Environmental monitoring: Gaps loom in satellite data, *News*, (Aldhous, P) **355,** 662
Satellites, Japan. Japanese satellite: Earth monitor fails, *News*, (Swinbanks, D) **355,** 661
Satellites, remote sensing. Remote sensing: ERS-1 data still in the works, *News*, (Aldhous, P) **355,** 288
Satellites, US. Congress prepares compromise plan to save Landsat, lower costs and improve service, *News*, (Anderson, C) **359,** 353
Satellites. Forthcoming space launch rekindles debate in Brazil, *News*, (Bonaiume, R) **360,** 290
Saturn. Gravitational wakes in Saturn's rings, *Letter to Nature*, (Salo, H) **359,** 619
Savanna, burning. Seasonal distribution of African savanna fires, *Letter to Nature*, (Cahoon, D R Jr, Stocks, B J, Levine, J S, Cofer, W R III, O'Neill, K P) **359,** 812
Scanning tunnelling microscopy. Seeing the unseeable, *Miscellany*, **355,** 764
Schistosomiasis. Tumour necrosis factor α restores granulomas and induces parasite egg-laying in schistosome-infected SCID mice, *Letter to Nature*, (Amiri, P, Locksley, R M, Parslow, T G, Sadick, M, Rector, E, Ritter, D, McKerrow, J H) **356,** 604
Schistosomiasis: Parasitizing the cytokine system, *News and views*, (Sher, A) **356,** 565
Schizophrenia. Schizophrenia, *Correspondence*, (Hemmings, G) **355,** 291
Schrodinger's cat. Quantum optics: Practical Schrödinger's cats, *News and views*, (Knight, P) **357,** 438
Schwann cells. Clustering of voltage-dependent sodium channels on axons depends on Schwann cell contact, *Letter to Nature*, (Joe, E-h, Angelides, K) **356,** 333
SCID mice. Tumour necrosis factor α restores granulomas and induces parasite egg-laying in schistosome-infected SCID mice, *Letter to Nature*, (Amiri, P, Locksley, R M, Parslow, T G, Sadick, M, Rector, E, Ritter, D, McKerrow, J H) **356,** 604
Immunization of hu-PBL-SCID mice and the rescue of human monoclonal Fab fragments through combinatorial libraries, *Letter to Nature*, (Duchosal, M A, Eming, S A, Fischer, P, Leturcq, D, Barbas, C F, McConahey, P J, Caothien, R H, Thornton, G B, Dixon, F J, Burton, D R) **355,** 258
Science academies, former Soviet Union. The former Soviet Union: The West gropes for ways to help, *News*, (Mervis, J) **356,** 733
Science and Engineering Research Council. Worthy proposals get second life, *News*, (Mundell, I) **359,** 262
Science and technology, Korea. Korea invites West to help it narrow the gap in technology, *News*, (Swinbanks, D) **357,** 100
Science and technology, US. Report proposes US forum to link research to needs, *News*, (Mervis, J) **359,** 350
Science budget, Japan. Japan 'finds' money for research, *News*, (Swinbanks, D) **357,** 616
Japanese ministry requests large increase for competitive university grants, *News*, (Swinbanks, D) **359,** 96
Science budget, South Africa. South Africa: Budgets cut again, *News*, (Cherry, M) **356,** 278
Science budget, UK. Industrial research: Report calls UK approach simplistic, *News*, (Mundell, I) **356,** 555
Royal Society wants extra powers for science office, *News*, (Mundell, I) **359,** 469
Science budget, US. Research priorities: Healy attacks US budgeting system, *News*, (Mervis, J) **356,** 555
US science budget: Seven per cent solution: too good to be true, *News*, (Anderson, C, Lindley, D, Gershon, D) **355,** 486
Science politics: At frontier's end, the "P" word, *News*, (Anderson, C, Lindley, D) **355,** 487
Science education. Slump in seed-corn, *Opinion*, **358,** 610
Toshiba to help US students think about technology, *News*, (Mervis, J) **359,** 351
BAAS embraces role of educating public, *News*, (Mundell, I) **359,** 5
Last chance for British Ass?, *News and views*, (Maddox, J) **359,** 11
Cardinal choices: Presidential science advising from the atomic bomb to SDI, *Book review by* de la Mothe, J. **359,** 26
Science journalism. Health in the headlines: The stories behind the stories, *Book review by* Relman, A S. **356,** 754
Changing places, *Correspondence*, (Stamford, J) **357,** 10
Science journals. Russian academy makes deal with US company on journals, *News*, (Pokrowsky, V) **359,** 176
University wants to buy journals directly, *News*, (Mundell, I) **359,** 179
Hard times for high-T, press, *News*, **359,** 180
More errors in errors, *Correspondence*, (Bard, A J) **360,** 404
Science policy, Africa. African National congress drafts blueprint for South African science, *News*, (Cherry, M) **358,** 611
Science policy, UK. New government, old problems, *Opinion*, **356,** 547
UK science policy: Out of many, one, *News*, (Mundell, I) **356,** 646
Election fever, *Opinion*, **355,** 482
British science: Appeal across water, *News*, (Aldhous, P) **355,** 97
Science policy, US. US politics: campaigns as usual, *Opinion*, **358,** 697
Agenda for a US president, *Opinion*, **360,** 1
Clinton on science, *Opinion*, **360,** 92
Clinton's science policies and personnel have yet to emerge as he prepares for presidency, *News*, (Mervis, J) **360,** 95
Science loses two good friends, *News*, (Mervis, J) **360,** 95
Can research benefits be proved?, *Opinion*, **359,** 173
Brown starts debate with his report asking science to improve economy, *News*, (Anderson, C) **359,** 175
Clinton plans offer hints of technology agenda, *News*, (Anderson, C) **360,** 288
Global change: US research could lose lustre, *News*, (Mervis, J) **355,** 578
Setting priorities, *Opinion*, **355,** 378
Science tax. Nothing new, *Correspondence*, (Hines, T) **355,** 290
Science writing. Motes and beams, *Correspondence*, (Carter, J B) **358,** 618
Science, aims of. The unnatural nature of science: Why science does not make (common) sense, *Book review by* Polkinghorne, J. **360,** 378
Science, and society. Does science leave room for soul?, *Opinion*, **356,** 729
No access, *Correspondence*, (Carmody, J) **358,** 184
The code of codes: Scientific and social issues in the human genome project, *Book review by* Brenner, S. **358,** 27
The creative moment: How science made itself alien to modern culture, *Book review by* Heilbron, J L. **360,** 217
Brain size differences, *Correspondence*, (Tsai, F C S) **359,** 181
Physics and family values, *News*, (Spurgeon, D) **360,** 504
Strange weather: Culture, science, and technology in the age of limits, *Book review by* Clifford, A. **355,** 218
Science, Brazil. Society asks Brazil's president to resign, *News*, (Bonalume, R) **358,** 357
Science, Canada. Canada: Cuts threaten Science Council, *News*, (Spurgeon, D) **356,** 9
Science, China. Chinese reforms: Scientists emerge with favoured status, *News*, (Gwynne, P) **356,** 275
Science, Czechoslovakia. Science in Czechoslovakia, *Correspondence*, (Vanek, Z) **357,** 10
Science, Estonia. Estonia's plight, *Correspondence*, (Harro, J) **356,** 100
Science, Hungary. Hungarian science confronts its past, *Commentary*, (Anderson, C) **355,** 669
Science, Japan. Uninnovative Japan, *Correspondence*, (Lawson, M) **356,** 652
Reforming Japan's science for the next century, *News*, (Maddox, J, Swinbanks, D) **359,** 573
Semiprivate research: best of both worlds, *News*, **359,** 577
RIKEN - Japan's leading light, *News*, **359,** 578
Science, journalism. Journalists in labs, *Correspondence*, (Waksman, B H) **358,** 102
Science, philosophy of. Does science leave room for soul?, *Opinion*, **356,** 729
Understanding the present: Science and the soul of modern man, *Book review by* Pippard, B. **357,** 29
Natural selection, *Correspondence*, (Lindh, A G) **358,** 272
What to believe of science, *Correspondence*, (Goodman, S L, Jukes, T H, Gillis, J M) **358,** 271
Estimating Popper's impact, *Correspondence*, (Wolpert, L) **360,** 204
Science, public understanding of. Changing places, *Correspondence*, (Stamford, J) **357,** 10
Journalists in labs, *Correspondence*, (Waksman, B H) **358,** 102
No access, *Correspondence*, (Carmody, J) **358,** 184
BAAS embraces role of educating public, *News*, (Mundell, I) **359,** 5
Last chance for British Ass?, *News and views*, (Maddox, J) **359,** 11
Science and public affairs, *Journal review*, (Williams, N, Bodmer, W) **359,** 464
The unnatural nature of science: Why science does not make (common) sense, *Book review by* Polkinghorne, J. **360,** 378
Science, Russia. Russian science: A way to wean weapons makers, *News*, (Mervis, J) **355,** 756
Light at the end of the tunnel?, *Correspondence*, (Romanovsky, A A) **356,** 100
Russian science centre: Profit motive faces stiff challenge, *News*, (Mervis, J) **356,** 276
Russian science centre: Politicians to call funding shots at the centre, *News*, (Mervis, J) **356,** 276
Taking Russia's pulse, *News*, (Mervis, J) **356,** 279
New foundation to fund Russian biologists, *News*, (Pokrowsky, V, Mervis, J) **357,** 431
Russian summer hopes dwarf doubts, *News and views*, (Maddox, J) **357,** 357
Science, security. Defence research: Classification Catch-22, *News*, (Anderson, C) **356,** 274
Science, South Africa. South Africa: Beyond apartheid - on the cheap, *News*, (Cherry, M) **356,** 737
Science, Soviet Union. Helping Soviet science (continued), *Opinion*, **356,** 179
Russian scientists: Small, quick grants proposed as lifeline, *News*, (Mervis, J) **356,** 182
Russian scientists: "Our motivation is to do good science", *News*, (Mervis, J) **356,** 182
Science, Texas. Optimistic, independent, aggressive: Texas shoots for the top in science, *Commentary*, (Culliton, B J) **357,** 623
Science, UK. The position of British science, *News*, (Martin, B R, Irvine, J) **355,** 760
Uninnovative Japan, *Correspondence*, (Lawson, M) **356,** 652
Does science leave room for soul?, *Opinion*, **356,** 729
British science, *Correspondence*, (Kealey, T) **357,** 272
UK science, *Correspondence*, (Krowitz, E J) **358,** 186
Science, US. Science on hit-list, *Opinion*, **357,** 98
Science. Defining science, *Correspondence*, (Khandekar, J D) **356,** 653
Not by numbers, *Correspondence*, (Parker, J R) **357,** 355
Science as salvation: A modern myth and its meaning, *Book review by* Sutherland, S. **357,** 550
Not by numbers, *Correspondence*, (James, B) **357,** 355
The reviewer reviewed, *Correspondence*, (Rose, S) **359,** 10
Rewriting the history of science, *Correspondence*, (Milne, A, Estling, R) **359,** 265
Scientific advocacy. Scientific advocacy: How much green in the greenhouse?, *News*, (Anderson, C) **356,** 369
Scientific conferences. Japan bioethics: When silence isn't golden, *News*, (Swinbanks, D) **356,** 368
Scientific errors. Struggles to correct published errors, *Commentary*, (Menger, F M, Haim, A) **359,** 666
Scientific ethics. Genetics and the public interest, *Opinion*, **356,** 365
Ethical problems in the genes, *Correspondence*, (Turner, D) **357,** 355
Sound embryo ruling, *Opinion*, **357,** 425
Nonpersons, *Correspondence*, (Gannon, A) **358,** 102
Scientific instruments. Buyer shows a fine eye for science, *News*, (Mundell, I) **359,** 767
Scientific journalism. Media makes AIDS wishes come true, *News and views*, (Maddox, J) **358,** 13
Scientific journals. New Journals review 1992. *Journal review*, (Lovelock, J) **359,** 436
Journals index. *Journal review*, (Wills, C) **359,** 437
Speaking volumes, *Correspondence*, (Mould, S M) **356,** 470
You've read the paper, now see the video, *News*, (Lindley, D) **358,** 97

Making networks work, *Journal review*, (Barden, P) **359,** 435
Science probe! The amateur scientist's journal, *Journal review*, (Lovelock, J, Mims, F M III) **359,** 436
Current biology, *Journal review*, (Brenner, S, Newmark, P) **359,** 437
Philosophical transactions of the Royal Society: Biological sciences (Series B), *Journal review*, (Wills, C, Bone, Q) **359,** 438
Proceedings of the Royal Society: Biological sciences (Series B), *Journal review*, (Wills, C, Clarke, B C) **359,** 438
The plant journal, *Journal review*, (Rubery, P, Bowles, D, Caboche, M, Dennis, L, Flavell, D, Komamine, A, Schell, J, Somerville, C, Willmitzer, L) **359,** 439
Mammalian genome: official journal of the international mammalian genome society, *Journal review*, (Copeland, N G, Silver, L M, Nadeau, J, Klein, J) **359,** 440
Current opinion in genetics and development, *Journal review*, (Little, P, Laskey, R, Scott, M P) **359,** 440
Trends in cell biology, *Journal review*, (Armstrong, J, Featherstone, C) **359,** 441
Cellular physiology and biochemistry: International journal of experimental cellular physiology, biochemistry and pharmacology, *Journal review*, (Stanfield, P R, Lang, F) **359,** 441
European cytokine network, *Journal review*, (Sewell, H F, Bertoglio, J, Fradelizi, D) **359,** 442
Growth regulation, *Journal review*, (Heath, J K, Schulster, D) **359,** 442
Melanoma research, *Journal review*, (Cheresh, D A, Lejeune, F, Prota, G, Riley, P) **359,** 442
European journal of cancer prevention, *Journal review*, (Kinlen, L J, Hill, M J, Giacosa, A) **359,** 443
Receptor, *Journal review*, (Bourne, H R, Litwack, G) **359,** 443
Glycobiology, *Journal review*, (Rees, D A, Hart, G W) **359,** 444
Pharmacogenetics, *Journal review*, (Phillips, I R, Idle, J R, Gonzalez, F J, Kato, R) **359,** 444
Molecular neuropharmacology, *Journal review*, (Enna, S J, Woodruff, G N) **359,** 445
Current opinion in neurobiology, *Journal review*, (Barnard, E A, Aguayo, A, Raff, M) **359,** 445
Brain pathology, *Journal review*, (Kosik, K S, Kleihues, P) **359,** 446
Frontiers in neuroendocrinology, *Journal review*, (Swanson, L W, Ganong, W F, Martini, L) **359,** 446
Blood coagulation and fibrinolysis: An international journal in haemostasis and thrombosis, *Journal review*, (Heptinstall, S, Francis, J L, Gordon, S G) **359,** 447
PCR: Methods and applications, *Journal review*, (Sarkar, G, Cuddihy, J, Bentley, D, Gibbs, R, Green, E, Myers, R) **359,** 447
Current opinion in structural biology, *Journal review*, (Blow, D, Hendrickson, W, Klug, A) **359,** 448
Protein science: A publication of the protein society, *Journal review*, (Littlechild, J A, Neurath, H) **359,** 448
Journal of wine research, *Journal review*, (Goswell, R, Morris, J, Unwin, T) **359,** 449
Toxicology methods, *Journal review*, (Connors, T A, Gad, S C) **359,** 449
Biocontrol science and technology, *Journal review*, (Sunderland, K, Payne, C C) **359,** 450
Biological control, *Journal review*, (Sunderland, K, Charudattan, R, Lewis, W J, Kaya, H K, Rogers, C E) **359,** 450
Seed science research, *Journal review*, (Probert, R, Black, M) **359,** 450
Reviews in fish biology and fisheries, *Journal review*, (Blaxter, J H S, Pitcher, T J) **359,** 451
Ichnos: An international journal for plant and animal traces, *Journal review*, (Yochelson, E L, Pemberton, S G, Frey, R W) **359,** 452
Journal of nonlinear science, *Journal review*, (Shlesinger, M, Kuznetsov, E, Wiggins, S) **359,** 453
Nonlinear science today, *Journal review*, (Shlesinger, M, Holmes, P, Stewart, I) **359,** 453
Chaos, solitons and fractals: Applications in science and engineering, *Journal review*, (Shlesinger, M, El Naschie, M S) **359,** 453
Chaos, *Journal review*, (Shlesinger, M, Campbell, D K) **359,** 453
International journal of bifurcation and chaos, *Journal review*, (Chua, L O, Shlesinger, M) **359,** 453
Nonlinear optics: principles, materials, phenomena, and devices, *Journal review*, (Walmsley, I, Kobayashi, T) **359,** 454
Soviet lightwave communications, *Journal review*, (Blow, K, Prokhorov, A M) **359,** 454
CVGIP: Graphical models and image processing, *Journal review*, (Holburn, D, Badler, N I, Chellappa, R) **359,** 454
CVGIP: Image understanding, *Journal review*, (Holburn, D, Shapiro, L G) **359,** 454
Journal of visual communication and image representation, *Journal review*, (Holburn, D, Zeevia, Y Y, Hsing, T R) **359,** 454
Digital signal processing, A review journal, *Journal review*, (Hershey, J, Yarlagadda, R, Holburn, D) **359,** 455
Analog integrated circuits and signal processing: An international journal, *Journal review*, (Holburn, D, Ismail, M, Haigh, D G, Jujii, N) **359,** 455
Advanced composite materials: The official journal of the Japan society of composite materials, *Journal review*, (Cahn, R W, Miyairi, H) **359,** 456
Composites engineering, *Journal review*, (Cahn, R W, Hui, D) **359,** 456
Diamond and related materials, *Journal review*, (Cahn, R W, Messier, R) **359,** 456
Journal of cluster science, *Journal review*, (Cahn, R W, Adams, R D, Russell, D H, Teo, B K) **359,** 456
Journal of inorganic and organometallic polymers, *Journal review*, (Cahn, R W, Zeldin, M) **359,** 456
Mendeleev communications: Preliminary accounts of important new work in chemistry from Russia, other states of the commonwealth of independent... *Journal review*, (Crombie, L, Nefedov, O M, Frey, H M) **359,** 457
Bioorganic and medicinal chemistry letters, *Journal review*, (James, K, Boger, D L) **359,** 458
Medicinal chemistry research, *Journal review*, (James, K, Glennon, R A, Burger, A) **359,** 458
Sensors and actuators B: Chemical, *Journal review*, (Compton, R, Cammann, K, Middlehoek, S) **359,** 458
Journal of geophysical research - planets, *Journal review*, (Melosh, H J, Chapman, C R) **359,** 459
Astronomical and astrophysical transactions: The journal of the Soviet Astronomical society, *Journal review*, (Rowan-Robinson, M, Bochkarev, N G) **359,** 460
Journal of environmental and resource economics, *Journal review*, (O'Riordan, T, Opschoor, J B, Folmer, H, Jansen, H M A) **359,** 460
The holocene: An interdisciplinary journal focusing on recent environmental change, *Journal review*, (Mannion, A M, Matthews, J A) **359,** 461
Global environmental change: Human and policy dimensions, *Journal review*, (Grubb, M, Mitchell, J K) **359,** 462
Biomass and bioenergy, *Journal review*, (Betts, W B, Coombs, J, Hall, D O, Overend, R P, Smith, W H) **359,** 462
Minds and machines: Journal for artificial intelligence, philosophy, and cognitive science, *Journal review*, (Fox, J, Fetzer, J H) **359,** 462
Network: Computation in neural systems, *Journal review*, (Hertz, J A, Amit, D J) **359,** 463
Mathematics review, *Journal review*, (Barnard, T, Mond, D, Stewart, I, Tall, D) **359,** 463
Quantum: The student magazine of math and science, *Journal review*, (Barnard, T, Ossipyan, Y, Glashow, S L, Thurston, W P, Kirkpatrick, L D, Saul, M E) **359,** 463
Science and public affairs, *Journal review*, (Williams, N, Bodmer, W) **359,** 464
Page charges, *Correspondence*, (Sharma, Y D) **355,** 104
Scientific literacy. Scientific literacy and the myth of the scientific method, *Book review by* Galloway, J W. **358,** 464
Scientific literature. Correcting errors, *Correspondence*, (Slanina, Z) **355,** 668
Scientific meetings. Quality meetings, *Correspondence*, (Libertun, C) **355,** 196
Scientific method. Scientific literacy and the myth of the scientific method, *Book review by* Galloway, J W. **358,** 464
Scientific misconduct, US. Scientific misconduct: FBI investigating NIH leaks, *News*, (Anderson, C) **356,** 186
Change in fraud review proposed, *News and views*, (Culliton, B J) **356,** 191
US realigns misconduct offices at NIH, *News*, (Anderson, C) **357,** 431
Scientific misconduct. Defining misconduct, *Opionion*, **356,** 730
Scientific misconduct: Psychologists rethink Burt, *News*, (Aldhous, P) **356,** 5
Rethinking Burt, *Correspondence*, (Goodhart, C B) **356,** 652
Political pressure?, *Correspondence*, (Soni, M G) **356,** 652
Scientific misconduct: New court challenge for OSI, *News*, (Anderson, C) **356,** 466
Argonne laboratory: Report backs whistleblower, *News*, (Kramer, D) **356,** 469
Journals as policemen, *Opinion*, **357,** 2
NIH report vindicates Gallo on conduct of AIDS research, *News*, (Culliton, B J) **357,** 3
OSI finds Popovic guilty on *Science* paper, *News*, (Culliton, B J) **357,** 3
The OSI on Crewdson on Gallo, *News*, (Culliton, B J) **357,** 4
Bill would force journals to follow misconduct rules, *News*, (Anderson, C) **357,** 7
NIH laboratory admits to fabricated embryo research, retracts paper, *News*, (Anderson, C) **357,** 427
Reflections of a whistle-blower, *Commentary*, (Rossiter, E J R) **357,** 434
No connection, *Correspondence*, (Walsh, J J) **358,** 102
US drops Imanishi-Kari investigation: Baltimore withdraws *Cell* retraction, *News*, (Anderson, C, Watson, T) **358,** 177
How rare is rare?, *Correspondence*, (Tessman, I) **358,** 365
Leeds disunited, *Opinion*, **357,** 614
Popovic says OSI is wrong, *Correspondence*, (Popovic, M) **358,** 533
US panel rejects hiding source of allegations of misconduct, *News*, (Anderson, C) **359,** 765
Motive to sin, *Correspondence*, (Katz, J) **359,** 769
Stealing into Print: Fraud, Plagiarism, and Misconduct in Scientific Publishing, *Book review by* Mervis, J. **359,** 787
More on Gallo and Popovic, *News and views*, (Maddox, J) **357,** 107
Gallo and Popovic lawyers reply, *News and views*, (Culliton, B J) **357,** 109
Impure science: Fraud, compromise and political influence in scientific research, *Book review by* Mervis, J. **357,** 374
Leeds inquiry, *Correspondence*, (Chapman, C) **358,** 617
Breslow replies to criticism, *Scientific correspondence*, (Breslow, R) **360,** 23
Funding errors, *Correspondence*, (Rakitzis, E T) **359,** 9
Safeguards added for appeals in misconduct cases, *News*, (Anderson, C) **360,** 202
Physics and family values, *News*, (Spurgeon, D) **360,** 504
Burt files reopened, *Correspondence*, (Goodhart, C B) **355,** 103
Scientific misconduct: Tragedy revealed in Zurich, *News*, (Aldhous, P) **355,** 577
Indian palaeontology: Back from the dead, *News*, (Maddox, J) **355,** 578
Indian rope trick, *Opinion*, **355,** 660
Scientific misconduct: NIH staffer finds warm reception on other side, *News*, (Anderson, C) **355,** 98
Scientific misconduct: A final frenzy for landmark cases?, *News*, (Anderson, C) **355,** 6
Scientific misconduct: Growing up in public, *News*, (Anderson, C) **355,** 6
Scientific misconduct: FBI investiaging NIH leaks, *News*, (Anderson, C) **356,** 186
Change in fraud review proposed, *News and views*, (Culliton, B J) **356,** 191
Why cheat?, *Correspondence*, (Katz, J) **358,** 10
Scientific publications. Productivity drive, *Correspondence*, (Kantha, S S) **356,** 738
Growth of science, *Correspondence*, (Kealey, T) **358,** 533
Struggles to correct published errors, *Commeniary*, (Menger, F M, Haim, A) **359,** 666
Reply to Menger and Haim, *Correspondence*, (Schowen, R L) **360,** 506
Germane reviews, *Correspondence*, (Wolff, M E) **360,** 506
Sweden's central role, *News*, **360,** 513
Authorship: Writer's cramp, *News*, (Anderson, C) **355,** 101
Authors by right, *Correspondence*, (Gee, J H R) **355,** 290
Maxwell's role, *Correspondence*, (Smith, A D) **355,** 490
Scientific publishing. Too many reviews?, *Correspondence*, (Ignatius, M J) **360,** 100
Page charges, *Correspondence*, (Sharma, Y D) **355,** 104
Scientific quotations. 4ODSQ, *Correspondence*, (Bynum, W F, Porter, R) **355,** 490
Scientific units. NEJM restricts use of SI units, *News*, (Watson, T) **359,** 175
Scientific writing. The growing inaccessibility of science, *Commentary*, (Hayes, D P) **356,** 739
Recognizing good work, *Correspondence*, (Brown, R) **358,** 534
Of animals and men, *Correspondence*, (Jones, D) **357,** 187
The infectiousness of pompous prose, *Commentary*, (Gregory, M W) **360,** 11
Nature for non-English speakers, *Correspondence*, (Mittwoch, U, Gross, M) **360,** 203
Sex and gender, *Correspondence*, (Goodhart, C B) **359,** 182
A skeptical biochemist, *Book review by* Reynolds, J. **359,** 203
From Eros to Gaia, *Book review by* Ferris, T. **360,** 389
Scientists, shortage. Human resources: NSF falls short on shortage, *News*, (Mervis, J) **356,** 553
Lost numbers game, *Opinion*, **356,** 548
NSF stance on 'skills shortage', *Correspondence*, (Massey, W E) **357,** 433
Scorpions. In the dock, *News and views*, **356,** 384
Scrapie. Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein, *Article*, (Bücler, H, Fischer, M, Lang, Y, Blüethmann, H, Lipp, H-P, DeArmond, S J, Prusiner, S B, Aguet, M, Weissmann, C) **356,** 577
Amphotericin B treatment dissociates *in vivo* replication of the scrapie agent from PrP accumulation, *Letter to Nature*, (Xi, Y G, Ingrosso, L, Ladogana, A, Masullo, C, Pocchiari, M) **356,** 598
Spongiform encephalopathies: PrP and the scrapie agent, *News and views*, (Chesebro, B) **356,** 560
Sea floor topography. Flattening of the sea-floor depth-age curve as a response to asthenospheric flow, *Letter to Nature*, (Morgan, J P, Smith, W H F) **359,** 524
Sea ice, Arctic. Variability in sea-ice thickness over the North Pole from 1977 to 1990, *Letter to Nature*, (McLaren, A S, Walsh, J E, Bourke, R H, Weaver, R L, Wittmann, W) **358,** 224
Sea lilies. Regeneration in sea lilies, *Scientific correspondence*, (Amemiya, S, Oji, T) **357,** 546
Sea surface temperatures. Molecular record of secular sea surface temperature changes on 100-year timescales for glacial terminations I, II and IV, *Letter to Nature*, (Eglinton, G, Bradshaw, S A, Rosell, A, Sarnthein, M, Pflaumann, U, Tiedemann, R) **356,** 423
Sudden changes in North Atlantic circulation during the last deglaciation, *Article*, (Lehman, S J, Keigwin, L D) **356,** 757
Climatology: Molecules record sea change, *News and views*, (Lyle, M) **356,** 385
Cirrus-cloud thermostat for tropical sea surface temperatures tested using satellite data, *Letter to Nature*, (Fu, R, Del Genio, A D, Rossow, W B, Liu, W T) **358,** 394
Sea, food web. Stable isotope evidence for entry of sewage-derived organic material into a deep-sea food web, *Letter to Nature*, (Van Dover, C L, Grassle, J F, Fry, B, Garritt, R H, Starczak, V R) **360,** 153
Sea-floor spreading. A model for the global variation in ocean-

ic depth and heat flow with lithospheric age, *Article*, (Stein, C A, Stein, S) **359,** 123
Sea-level variation. Will sea levels rise or fall?, *Commentary*, (Schneider, S H) **356,** 11
Warming of the water column in the southwest Pacific Ocean, *Letter to Nature*, (Bindoff, N L, Church, J A) **357,** 59
Constraints on the age and duration of the last interglacial period and on sea-level variations, *Article*, (Lambeck, K, Nakada, M) **357,** 125
Sea-level rise or fall?, *Scientific correspondence*, (Shlyakhter, A I, Kammen, D M) **357,** 25
Implications for climate and sea level of revised IPCC emissions scenarios, *Review article*, (Wigley, T M L, Raper, S C B) **357,** 293
Antarctic ice volume and contribution to sea-level fall at 20,000 yr∏ BPÉ from raised beaches, *Letter to Nature*, (Colhoun, E A, Mabin, M C G, Adamson, D A, Kirk, R M) **358,** 316
Glaciation: A case of missing water, *News and views*, (Andrews, J T) **358,** 281
Marine transgressions and the evolution of Cretaceous dinosaurs, *Letter to Nature*, (Horner, J R, Varricchio, D J, Goodwin, M B) **358,** 59
Sea-surface temperatures. Upwelling and productivity changes inferred from a temperature record in the central equatorial Pacific, *Letter to Nature*, (Lyle, M W, Prahl, F G, Sparrow, M A) **355,** 812
Effect of deep convection on the regulation of tropical sea surface temperature, *Letter to Nature*, (Wallace, J M) **357,** 230
Climate feedbacks: An air-conditioned greenhouse, *News and views*, (Stephens, G, Slingo, T) **358,** 369
Thermostat and global warming, *Scientific correspondence*, (Ramanathan, V, Collins, W) **357,** 649
Seamounts. Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246
***SEC65* gene.** *SEC65* gene product is a subunit of the yeast signal recognition particle required for its integrity, *Letter to Nature*, (Hann, B C, Stirling, C J, Walter, P) **356,** 532
The *S. cerevisiae SEC65* gene encodes a component of yeast signal recognition particle with homology to human SRP19, *Letter to Nature*, (Stirling, C J, Hewitt, E W) **356,** 534
Second-harmonic generation. Improved second-harmonic generation from Langmuir-Blodgett films of hemicyanine dyes, *Letter to Nature*, (Ashwell, G J, Hargreaves, R C, Baldwin, C E, Bahra, G S, Brown, C R) **357,** 393
Secrecy, science. Press sues to open White House science meetings, *News*, (Anderson, C) **357,** 103
Secretory pathway. Molecular dissection of the secretory pathway, *Review article*, (Rothman, J E, Orci, L) **355,** 409
Security, science. Defence research: Classification Catch-22, *News*, (Anderson, C) **356,** 274
NASA researchers fear crackdown after security lapse, *News*, (Anderson, C) **360,** 289
Sediment diversity. Patterns of species diversity in the deep sea as a function of sediment particle size diversity, *Letter to Nature*, (Etter, R J, Grassle, J F) **360,** 576
Sediment-water interface. Ore geology: A little rain must fall, *News and views*, (Gize, A P) **358,** 370
Sedimentary petrology. Material flux and porosity changes during sediment diagenesis, *Letter to Nature*, (Gluyas, J, Coleman, M) **356,** 52
Sedimentation. Post-depositional mobility of platinum, iridium and rhenium in marine sediments, *Letter to Nature*, (Colodner, D C, Boyle, E A, Edmond, J M, Thomson, J) **358,** 402
Sediments, carbonates. Evidence from ultra-high-pressure marbles for recycling of sediments into the mantle, *Letter to Nature*, (Becker, H, Altherr, R) **358,** 745
Crustal recycling: Surviving subduction, *News and views*, (White, W M) **358,** 714
Sediments, organic geochemistry. Evidence from nitrogen isotope ratios for enhanced productivity during formation of eastern Mediterranean sapropels, *Letter to Nature*, (Calvert, S E, Nielsen, B, Fontugne, M R) **359,** 223
Sediments, oxygen consumption. Reconciling particulate organic carbon flux and sediment community oxygen consumption in the deep North Pacific, *Letter to Nature*, (Smith, K L Jr, Baldwin, R J, Williams, P M) **359,** 313
Seed dispersal. Ecology: Not only gone with the wind, *News and views*, (Moore, P D) **357,** 116
Segmentation genes. Homeodomain-independent activity of the *fushi tarazu* polypeptide in *Drosophila* embryos, *Letter to Nature*, (Fitzpatrick, V D, Percival-Smith, A, Ingles, C J, Krause, H M) **356,** 610
Segregation, by shaking. Why pebbles float to the surface, *News and views*, (Maddox, J) **358,** 535
Seismic anisotropy. Shear-wave splitting and small-scale convection in the continental upper mantle, *Letter to Nature*, (Makeyeva, L I, Vinnik, L P, Roecker, S W) **358,** 144
Seismic gaps. Earthquakes: Seismic gaps and grizzly bears, *News and views*, (Stein, S) **356,** 387
Seismic tomography. Ridges, hotspots and their interaction as observed in seismic velocity maps, *Article*, (Zhang, Y-S, Tanimoto, T) **355,** 45
Seismic velocities. Deep origin of mid-ocean-ridge seismic velocity anomalies, *Letter to Nature*, (Su, W -J, Woodward, R L, Dziewonski, A M) **360,** 149
Seismology. Seismology: Wrinkles on the inside, *News and views*, (Lay, T) **355,** 768
Earthquake prediction: Models of the seismic cycle, *News and views*, (Scholz, C H) **355,** 774
Global mapping of topography on the 660-km discontinuity, *Article*, (Shearer, P M, Masters, T G) **355,** 791
Seismological evidence for metastable olivine inside a subducting slab, *Letter to Nature*, (Iidaka, T, Suetsugu, D) **356,** 593
Upper-mantle seismic discontinuities and the thermal structure of subduction zones, *Article*, (Vidale, J E, Benz, H M) **356,** 678
Seismology: A mantle thermometer, *News and views*, (Shearer, P) **356,** 662
Earthquake scaling, *Scientific correspondence*, (Main, I) **357,** 27
Linking short-timescale deformation to long-timescale tectonics, *Letter to Nature*, (Sornette, D, Virieux, J) **357,** 401
Mountain building: Crust in mantle overdrive, *News and views*, (Molnar, P) **358,** 105
Shear-wave splitting and small-scale convection in the continental upper mantle, *Letter to Nature*, (Makeyeva, L I, Vinnik, L P, Roecker, S W) **358,** 144
Creep, compaction and the weak rheology of major faults, *Article*, (Sleep, N H, Blanpied, M L) **359,** 687
Weakness amidst strength, *News and views*, (Scholz, C H) **359,** 677
Rumblings grow about Parkfield in wake of first earthquake prediction, *News*, (Finn, R) **359,** 761
Earthquakes: Three's a crowd in California, *News and views*, (Michael, A) **357,** 111
In the air, *News and views*, **357,** 192
Plate tectonics: Geodesy tracks plate motion, *News and views*, (Hudnut, K W) **355,** 681
Intraplate not always stable, *Scientific correspondence*, (Johnston, A C) **355,** 213
Earthquakes: Building blocks on shaky ground, *News and views*, (Johnston, A C) **355,** 114
Earthquakes: Sizing up the threat, *News and views*, (Kisslinger, C) **355,** 18
Changes in frequency-size relationship from small to large earthquakes, *Letter to Nature*, (Pacheco, J F, Scholz, C H, Sykes, L R) **355,** 71
Seismology: Tokyo quake, *News*, (Swinbanks, D) **355,** 489
Self assembly, crystals. Crystal clusters, *Scientific correspondence*, (Cahn, R W) **355,** 213
Self assembly. Triple helix in a trice, *News and views*, (Pease, R) **355,** 677
Self-similarity, earthquakes. Earthquake scaling, *Scientific correspondence*, (Main, I) **357,** 27
Earthquakes: Building blocks on shaky ground, *News and views*, (Johnston, A C) **355,** 114
Earthquakes: Sizing up the threat, *News and views*, (Kisslinger, C) **355,** 18
Changes in frequency-size relationship from small to large earthquakes, *Letter to Nature*, (Pacheco, J F, Scholz, C H, Sykes, L R) **355,** 71
Selfish genes. Evolutionary genetics: Selfish genes move sideways, *News and views*, (Hurst, G D D, Hurst, L D, Majerus, M E N) **356,** 659
Selfish genes in mosquitoes, *Scientific correspondence*, (Curtis, C F) **357,** 450
***sem-5* gene.** Cell signalling: Conviction by genetics, *News and views*, (Pawson, T) **356,** 285
C. elegans cell-signalling gene *sem-5* encodes a protein with SH2 and SH3 domains, *Letter to Nature*, (Clark, S G, Stern, M J, Horvitz, H R) **356,** 340
Semantics. Recovering Bacon's paradox, *Correspondence*, (Gould, S J) **356,** 653
Ancient error, *Correspondence*, (Erzincliogiu, Z) **355,** 195
Old argument, *Correspondence*, (Estling, R) **355,** 667
Semiconductor devices. Molecular electronics: Tunable polymer diodes, *News and views*, (Bloor, D) **356,** 19
Semiconductor heterostructures. Observation of an electronic bound state above a potential well, *Letter to Nature*, (Capasso, F, Sirtori, C, Faist, J, Sivco, D L, Chu, S-N G, Cho, A Y) **358,** 565
Quantum mechanics: Trapped in mid-air, *News and views*, (Washburn, S) **358,** 537
Semiconductor physics. Hydrogenated amorphous silicon, *Book review by* Holmes-Siedle, A. **358,** 117
Semiconductors. Electronics: Single atoms as transistors, *News and views*, (Washburn, S) **357,** 199
Sensors. Sensors and actuators B: Chemical, *Journal review*, (Compton, R, Cammann, K, Middlehoek, S) **359,** 458
Sensory receptors. Sensory Receptors and Signal Transduction, *Book review by* Marwan, W. **357,** 654
Sensory Receptors and Signal Transduction, *Book review by* Marwan, W. **357,** 654
Sequence data. Database contamination, *Scientific correspondence*, (Lopez, R, Kristensen, T, Prydz, H) **355,** 211
Seragen. Biotechnology: 'Silber's folly' goes public, *News*, (Anderson, C) **356,** 183
Serbia, Academy of Science and Arts. Serbs oppose leader, *News*, (Abbott, A) **357,** 527
Serbia, research. Serbian researchers labour under tightening collar of UN sanctions, *News*, (Abbott, A) **358,** 360
Plight of Bosnia and Croatia, *Correspondence*, (Pravdic, V, Doric, S, Dikic, I) **359,** 571
Serbia. Serbia defended, *Correspondence*, (Obrenovic, S) **359,** 355
Nikola Tesla, *Correspondence*, (Kovach, Y) **355,** 292
Serengeti. Patch production by cattle, *Scientific correspondence*, (Homewood, K) **359,** 109
Serine-threonine kinases. Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases, *Letter to Nature*, (Inglese, J, Koch, W J, Caron, M G, Lefkowitz, R J) **359,** 147
Raf functions downstream of Ras1 in the Sevenless signal transduction pathway, *Letter to Nature*, (Dickson, B, Sprenger, F, Morrison, D, Hafen, E) **360,** 600
Cell biology: A signal chain of events, *News and views*, (Roberts, T M) **360,** 534
Serpins. Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270
Serum albumin. Atomic structure and chemistry of human serum albumin, *Article*, (He, X M, Carter, D C) **358,** 209
Sewage. Stable isotope evidence for entry of sewage-derived organic material into a deep-sea food web, *Letter to Nature*, (Van Dover, C L, Grassle, J F, Fry, B, Garritt, R H, Starczak, V R) **360,** 153
Sex chromosomes. Sex testing at the Olympics, *Correspondence*, (Dingeon, B, Hamon, P, Robert, M, Schamasch, P, Pugeat, M) **358,** 447
Sex determination. Running in the family, *Correspondence*, (Crawford, E, Gilmore, D, James, W H, Connolly, R C) **357,** 272
Evidence from mosaic analysis of the masculinizing gene *her-1* for cell interactions in *C. elegans* sex determination, *Letter to Nature*, **355,** 551
Sex education, AIDS. Sex education and AIDS, *Correspondence*, (Alexander, D R, Stim, E) **360,** 10
Sex ratios. Artists' offspring, *Correspondence*, (Beck, R A, Rubinstein, L V, Koutsoukos, A D) **357,** 106
Offspring of scientists, *Correspondence*, (Beck, R A, Connolly, R C) **358,** 617
Sex surveys. Another taboo bites the dust, *Opinion*, **360,** 397
AIDS and sexual behaviour in France, *Commentary*, (ACSF investigators) **360,** 407
Sexual lifestyles and HIV risk, *Commentary*, (Johnson, A M, Wadsworth, J, Wellings, K, Bradshaw, S, Field, J) **360,** 410
Sex testing, athletics. Sex testing at the Olympics, *Correspondence*, (Dingeon, B, Hamon, P, Robert, M, Schamasch, P, Pugeat, M) **358,** 447
Olympic row over sex testing, *Correspondence*, (Ferguson-Smith, M A, Carlson, A, de la Chapelle, A, Ehrhardt, A, Ferris, E, Ljungqvist, A, Genel, M, Simpson, J L) **355,** 10
Sex, origin of. Marsupial Y chromosome encodes a homologue of the mouse Y-linked candidate spermatogenesis gene *Ubely*, *Letter to Nature*, (Mitchell, M J, Woods, D R, Wilcox, S A, Marshall Graves, J A, Bishop, C E) **359,** 528
Evolution of sex determination and the Y chromosome: *SRY*-related sequences in marsupials, *Letter to Nature*, (Foster, J W, Brennan, F E, Hampikian, G K, Goodfellow, P N, Sinclair, A H, Lovell-Badge, R, Selwood, L, Renfree, M B, Cooper, D W, Marshall Graves, J A) **359,** 531
Sexual dimorphism. Sexual dimorphism and distorted sex ratios in spiders, *Letter to Nature*, (Vollrath, F, Parker, G A) **360,** 156
Sexual reproduction. Microbial genetics: Sexual identity and smut, *News and views*, (Egel, R) **357,** 23
Sexual selection. Sexual selection and MHC genes, *Scientific correspondence*, (Pomiankowski, A, Pagel, M) **356,** 293
Sexual selection and MHC genes: Reply, *Scientific correspondence*, (Potts, W K, Manning, C J, Wakeland, E K) **356,** 294
The ant and the peacock: Altruism and sexual selection from Darwin to today, *Book review by* Hull, D L. **356,** 623
Sexuality, human. Marie Stopes and the sexual revolution, *Book review by* Davenport-Hines, R. **360,** 381
Another taboo bites the dust, *Opinion*, **360,** 397
Nature of human sexuality, *Correspondence*, (Goodman, R E) **355,** 103
Seyfert galaxies. Does an orbiting star cause periodic modulation of X-rays from NGC6814?, *Letter to Nature*, (Sikora, M, Begelman, M C) **356,** 224
SH2 domains. Crystal structure of the phosphotyrosine recognition domain SH2 of *v-src* complexed with tyrosine-phosphorylated peptides, *Article*, (Waksman, G, Kominos, D, Robertson, S C, Pant, N, Baltimore, D, Birge, R B, Cowburn, D, Hanafusa, H, Mayer, B J, Overduin, M, Resh, M D, Rios, C B, Silverman, L, Kuriyan, J) **358,** 646
Structure of an SH2 domain of the p85α subunit of phosphatidylinositol-3-OH kinase, *Letter to Nature*, (Booker, G W, Breeze, A L, Downing, A K, Panayotou, G, Gout, I, Waterfield, M D, Campbell, I D) **358,** 684
Signal transduction: Fishing in Src-infested waters, *News and views*, (Petsko, G A) **358,** 625
Sharks. Net loss, *News and views*, **355,** 302
Shiga toxin. Retrograde transport of endocytosed Shiga toxin to the endoplasmic reticulum, *Letter to Nature*, (Sandvig, K, Garred, O, Prydz, K, Kozlov, J V, Hansen, S H, van Deurs, B) **358,** 510
Crystal structure of the cell-binding B oligomer of verotoxin-1 from *E. coli*, *Letter to Nature*, (Stein, P E, Boodhoo, A, Tyrrell, G J, Brunton, J L, Read, R J) **355,** 748
Shigella. *Shigella flexneri* induces apoptosis in infected

macrophages, *Letter to Nature*, (Zychlinsky, A, Prevost, M C, Sansonetti, P J) **358,** 167

Shock metamorphism. Effect of temperature on shock metamorphism of single-crystal quartz, *Letter to Nature*, (Langenhorst, F, Deutsch, A, Stöffler, D, Hornemann, U) **356,** 507

Showa Denko. Legal battles amid the science, *News*, (Anderson, C) **358,** 96

Siberia, deforestation. Siberia's threatened forests, *Commentary*, (Rosencranz, A, Scott, A) **355,** 293

Sickle cell anaemia. A single point mutation is the cause of the Greek form of hereditary persistance of fetal haemoglobin, *Letter to Nature*, (Berry, M, Grosveld, F, Dillon, N) **358,** 499

Signac, Paul. Paul Signac and color in neo-impressionism, *Book review by* Mollon, J D. **358,** 379

Signal processing. Digital signal processing. A review journal, *Journal review*, (Hershey, J, Yarlagadda, R, Holburn, D) **359,** 455

Analog integrated circuits and signal processing: An international journal, *Journal review*, (Holburn, D, Ismail, M, Haigh, D G, Jujii, N) **359,** 455

Single-electron transfer in metallic nanostructures, *Review article*, (Devoret, M H, Esteve, D, Urbina, C) **360,** 547

Signal recognition particles. *SEC65* gene product is a subunit of the yeast signal recognition particle required for its integrity, *Letter to Nature*, (Hann, B C, Stirling, C J, Walter, P) **356,** 532

The *S. cerevisiae SEC65* gene encodes a component of yeast signal recognition particle with homology to human SRP19, *Letter to Nature*, (Stirling, C J, Hewitt, E W) **356,** 534

Signal-sequence recognition by an *Escherichia coli* ribonucleoprotein complex, *Letter to Nature*, (Luirink, J, High, S, Wood, H, Giner, A, Tollervey, D, Dobberstein, B) **359,** 741

The *E. coli ffh* gene is necessary for viability and efficient protein export, *Letter to Nature*, (Phillips, G J, Silhavy, T J) **359,** 744

Signal transduction. Hormonal stimulation of adenylyl cyclase through G-protein βγ subunits, *Letter to Nature*, (Federman, A D, Conklin, B R, Schrader, K A, Reed, R R, Bourne, H R) **356,** 159

Cell signalling: Conviction by genetics, *News and views*, (Pawson, T) **356,** 285

Rhodopsin inactivation is a modulated process in *Limulus* photoreceptors, *Letter to Nature*, (Richard, E A, Lisman, J E) **356,** 336

Signal for T-cell differentiation to a CD4 cell lineage is delivered by CD4 transmembrane region and/or cytoplasmic tail, *Letter to Nature*, (Seong, R H, Chamberlain, J W, Parnes, J R) **356,** 718

C. elegans cell-signalling gene *sem-5* encodes a protein with SH2 and SH3 domains, *Letter to Nature*, (Clark, S G, Stern, M J, Horvitz, H R) **356,** 340

Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, *Letter to Nature*, (Bustelo, X R, Ledbetter, J A, Barbacid, M) **356,** 68

Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, *Letter to Nature*, (Margolis, B, Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) **356,** 71

Involvement of the epidermal growth factor receptor in the invasion of cultured mammalian cells by *Salmonella typhimurium*, *Letter to Nature*, (Galán, J E, Pace, J, Hayman, M J) **357,** 588

Involvement of $p21^{ras}$ in activation of extracellular signal-regulated kinase 2, *Letter to Nature*, (de Vries-Smits, A M M, Burgering, B M Th, Leevers, S J, Marshall, C J, Bos, J L) **357,** 602

FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature*, (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692

Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, *Letter to Nature*, (Clipstone, N A, Crabtree, G R) **357,** 695

Cell biology: Devious devices of *Salmonella*, *News and views*, (Portnoy, D A, Smith, G A) **357,** 536

Proto-*vav* and gene expression, *Scientific correspondence*, (Boguski, M S, Bairoch, A, Attwood, T K, Michaels, G) **358,** 113

Antisense oligodeoxynucleotides to G protein α-subunit sequence accelerate differentiation of fibroblasts to adipocytes, *Letter to Nature*, (Wang, H-y, Watkins, D C, Malbon, C C) **358,** 334

Tyrosine-containing motif that transduces cell activation signals also determines internalization and antigen presentation via type III receptors for IgG, *Letter to Nature*, (Amigorena, S, Salamero, J, Davoust, J, Fridman, W H, Bonnerot, C) **358,** 337

Molecular cloning of cDNAs encoding a guanine-nucleotide-releasing factor for Ras p21, *Letter to Nature*, (Shou, C, Farnsworth, C L, Neel, B G, Feig, L A) **358,** 351

Nuclear localization and signalling activity of phosphoinositidase C_γ in Swiss 3T3 cells, *Letter to Nature*, (Martelli, A M, Gilmour, R S, Bertagnolo, V, Neri, L M, Manzoli, L, Cocco, L) **358,** 242

Cytotoxic T-lymphocyte activation involves a cascade of signalling and adhesion events, *Letter to Nature*, (O'Rourke, A M, Mescher, M F) **358,** 253

Signal transduction: Exchange rate mechanisms, *News and views*, (Downward, J) **358,** 282

Phosphorylation of transcription factor $p62^{TCF}$ by MAP kinase stimulates ternary complex formation at *c-fos* promoter, *Letter to Nature*, (Gille, H, Sharrocks, A D, Shaw, P E) **358,** 414

Sensory Receptors and Signal Transduction, *Book review by* Marwan, W. **357,** 654

Phosducin is a protein kinase A-regulated G-protein regulator, *Letter to Nature*, (Bauer, P H, Müller, S, Puzicha, M, Pippig, S, Obermaier, B, Helmreich, E J M, Lohse, M J) **358,** 73

Platelet-derived growth factor stimulates synthesis of PtdIns(3,4,5)P, by activating a PtdIns(4,5)P, 3-OH kinase, *Letter to Nature*, (Hawkins, P T, Jackson, T R, Stephens, L R) **358,** 157

Crystal structure of the phosphotyrosine recognition domain SH2 of v-*src* complexed with tyrosine-phosphorylated peptides, *Article*, (Waksman, G, Kominos, D, Robertson, S C, Pant, N, Baltimore, D, Birge, R B, Cowburn, D, Hanafusa, H, Mayer, B J, Overduin, M, Resh, M D, Rios, C B, Silverman, L, Kuriyan, J) **358,** 646

Regulation of focal adhesion-associated protein tyrosine kinase by both cellular adhesion and oncogenic transformation, *Letter to Nature*, (Guan, J-L, Shalloway, D) **358,** 690

Cytosolic free calcium mediates red light-induced photomorphogenesis, *Letter to Nature*, (Shacklock, P S, Read, N D, Trewavas, A J) **358,** 753

Crystal structure of a Src-homology 3 (SH3) domain, *Letter to Nature*, (Musacchio, A, Noble, M, Pauptit, R, Wierenga, R, Saraste, M) **359,** 851

Structure of hisactophilin is similar to interleukin-1β and fibroblast growth factor, *Letter to Nature*, (Habazettl, J, Gondol, D, Wiltscheck, R, Otlewski, J, Schleicher, M, Holak, T A) **359,** 885

Signal transduction: Fishing in Src-infested waters, *News and views*, (Petsko, G A) **358,** 625

Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases, *Letter to Nature*, (Inglese, J, Koch, W J, Caron, M G, Lefkowitz, R J) **359,** 147

Association between GTPase activators for Rho and Ras families, *Letter to Nature*, (Settleman, J, Albright, C F, Foster, L C, Weinberg, R A) **359,** 153

Cell-to-cell spread of calcium signals mediated by ATP receptors in mast cells, *Letter to Nature*, (Osipchuk, Y, Cahalan, M) **359,** 241

Escherichia coli cell-division gene *ftsZ* encodes a novel GTP-binding protein, *Letter to Nature*, (RayChaudhuri, D, Park, J T) **359,** 251

Signal transduction: Rac and Rho in tune, *News and views*, (Downward, J) **359,** 273

Raf functions downstream of Ras1 in the Sevenless signal transduction pathway, *Letter to Nature*, (Dickson, B, Sprenger, F, Morrison, D, Hafen, E) **360,** 600

Association of the Shc and Grb2/Sem5 SH2-containing proteins is implicated in activation of the Ras pathway by tyrosine kinases, *Letter to Nature*, (Rozakis-Adcock, M, McGlade, J, Mbamalu, G, Pelicci, G, Daly, R, Li, W, Batzer, A, Thomas, S, Brugge, J, Pelicci, P G, Schlessinger, J, Pawson, T) **360,** 689

Cell biology: A signal chain of events, *News and views*, (Roberts, T M) **360,** 534

Engagement of the high-affinity IgE receptor activates *src* protein-related tyrosine kinases, *Letter to Nature*, (Eiseman, E, Bolen, J B) **355,** 78

Depletion of intracellular calcium stores activates a calcium current in mast cells, *Letter to Nature*, (Hoth, M, Penner, R) **355,** 353

Cell physiology: Controls on calcium influx, *News and views*, (Neher, E) **355,** 298

Expression of members of the putative olfactory receptor gene family in mammalian germ cells, *Letter to Nature*, (Parmentier, M, Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) **355,** 453

Developmental switch of CREM function during spermatogenesis: from antagonist to activator, *Letter to Nature*, (Foulkes, N S, Mellström, B, Benusiglio, E, Sassone-Corsi, P) **355,** 80

Silica, Poisson's ratio. Negative Poisson ratios in crystalline SiO_2 from first-principles calculations, *Letter to Nature*, (Keskar, N R, Chelikowsky, J R) **358,** 222

Silicon carbide. Meteoritics: Stardust memories, *News and views*, (Wright, I P) **356,** 567

Silicon. Hydrogenated amorphous silicon, *Book review by* Holmes-Siedle, A. **358,** 117

Synthesis of dense silicon-based ceramics at low temperatures, *Letter to Nature*, (Riedel, R, Passing, G, Schönfelder, H, Brook, R J) **355,** 714

Materials science: Metallic solid silicon, *News and views*, (Cahn, R W) **357,** 645

Simulated annealing. The structure of the C_{76} molecule, *Letter to Nature*, (McKenzie, D R, Davis, C A, Cockayne, D J H, Muller, D A, Vassallo, A M) **355,** 622

Sinai billiard. Quantum mechanics: Bringing order out of chaos, *News and views*, (Jensen, R V) **355,** 591

Single charge tunnelling. Singular work, *News and views*, **355,** 398

SIV. Human infection by genetically diverse SIV_{cpz}-related HIV-2 in West Africa, *Letter to Nature*, (Gao, F, Yue, L, White, A T, Pappas, P G, Barchue, J, Hanson, A P, Greene, B M, Sharp, P M, Shaw, G M, Hahn, B H) **358,** 495

Skin cancer. Cancer: Carcinogens leave fingerprints, *News and views*, (Vogelstein, B, Kinzler, K W) **355,** 209

Skin disorders. A mutation in the conserved helix termination peptide of keratin 5 in hereditary skin blistering, *Letter to Nature*, (Lane, E B, Rugg, E L, Navsaria, H, Leigh, I M, Heagerty, A H M, Ishida-Yamamoto, A, Eady, R A J) **356,** 244

Skin. Skin deep, *News and views*, **359,** 779

Smoking, and suicide. Smoke screen, *News and views*, **359,** 363

Snakes. Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667

Adders multiply, *Correspondence*, (Jolly, D C) **359,** 266

Why do female adders copulate so frequently?, *Letter to Nature*, (Madsen, T, Shine, R, Loman, J, Håkansson, T) **355,** 440

Evolutionary biology: Snakes and female sexuality, *News and views*, (Parker, G A) **355,** 395

Snow,C.P. C P Snow and the struggle of modernity, *Book review by* Gratzer, W. **360,** 385

Social contracts. Social contracts in wasp societies, *Letter to Nature*, (Reeve, H K, Nonacs, P) **359,** 823

Social insects. Sociable beetles, *News and views*, **356,** 111

Eusociality in Australian gall thrips, *Letter to Nature*, (Crespi, B J) **359,** 724

Strong selection on a gene that influences reproductive competition in a social insect, *Letter to Nature*, (Ross, K G) **355,** 347

Social organization, mole-rats. Queen activation of lazy workers in colonies of the eusocial naked mole-rat, *Letter to Nature*, (Reeve, H K) **358,** 147

Social science. Social sciences found worth funding, *News*, (Abbott, A) **357,** 268

Physics and family values, *News*, (Spurgeon, D) **360,** 504

Sociobiology. Animal behaviour: The evolution of forgiveness, *News and views*, (Godfray, H C J) **355,** 206

Sociology, science. Strange weather: Culture, science, and technology in the age of limits, *Book review by* Clifford, A. **355,** 218

Sodium channels. Calcium channel characteristics conferred on the sodium channel by single mutations, *Letter to Nature*, (Heinemann, S H, Terlau, H, Stühmer, W, Imoto, K, Numa, S) **356,** 441

Clustering of voltage-dependent sodium channels on axons depends on Schwann cell contact, *Letter to Nature*, (Joe, E-h, Angelides, K) **356,** 333

Sodium nightglow. Excitation mechanism of the mesospheric sodium nightglow, *Letter to Nature*, (Herschbach, D R, Kolb, C E, Worsnop, D R, Shi, X) **356,** 414

Sodium, mesospheric. Global change: Middle atmosphere cooling, *News and views*, (Garcia, R R) **357,** 18

Software protection, US. Report urges software patent fix, *News*, (Anderson, C) **357,** 7

Software. Industrial research: Grassroots consortia go back to the basics, *News*, (Anderson, C) **356,** 371

Sol-gel glasses. Long-lived photoinduced charge separation in a redox system trapped in a sol-gel glass, *Letter to Nature*, (Slama-Schwok, A, Ottolenghi, M, Avnir, D) **355,** 240

Solar activity. Possible connection between surface winds, solar activity and the Earth's magnetic field, *Letter to Nature*, (Anderson, R Y) **358,** 51

Solar astronomy: Breaking out in spots, *News and views*, (Zirin, H) **359,** 271

Resolution of magnetic flux tubes on the Sun, *Letter to Nature*, (Keller, C U) **359,** 307

Solar convection. Astronomy: Convective motion on the Sun, *News and views*, (Weiss, N) **356,** 287

Solar corona. Tweaking the magnetosphere, *Scientific correspondence*, (Tsurutani, B T, Gonzalez, W D) **358,** 26

A 600-day periodicity in solar coronal holes, *Letter to Nature*, (McIntosh, P S, Thompson, R J, Willock, E C) **360,** 322

Three-dimensional image of the solar corona from white-light observations of the 1991 eclipse, *Letter to Nature*, (Koutchmy, S, Molodensky, M M) **360,** 719

Solar cycle. Solar cycle length, greenhouse forcing and global climate, *Letter to Nature*, (Kelly, P M, Wigley, T M L) **360,** 328

Implications for global warming of intercycle solar irradiance variations, *Letter to Nature*, (Schlesinger, M E, Ramankutty, N) **360,** 330

Global warming: Keeping the Sun in proportion, *News and views*, (Lacis, A A, Carlson, B E) **360,** 297

Interpretation of solar-cycle variability in high-degree p-mode frequencies, *Letter to Nature*, (Evans, D J, Roberts, B) **355,** 230

Solar eclipse. Extreme-infrared brightness profile of the solar chromosphere obtained during the total eclipse of 1991, *Letter to Nature*, (Lindsey, C, Jefferies, J T, Clark, T A, Harrison, R A, Carter, M K, Watt, G, Becklin, E E, Roellig, T L, Braun, D C, Naylor, D A, Tompkins, G J) **358,** 308

Solar astronomy: Darkness can illuminate, *News and views*, (Foukal, P) **358,** 285

A search during the 1991 solar eclipse for the infrared signature of circumsolar dust, *Letter to Nature*, (Hodapp, K-W, MacQueen, R M, Hall, D N B) **355,** 707

Solar granulation. Astronomy: Convective motion on the Sun, *News and views*, (Weiss, N) **356,** 287

Evolution and advection of solar mesogranulation, *Letter to Nature*, (Muller, R, Auffret, H, Roudier, T, Vigneau, J, Simon, G W, Frank, Z, Shine, R A, Title, A M) **356,** 322

Solar luminosity. Palaeoclimate: Paradox lost and paradox found, *News and views*, (Kasting, J F) **355,** 676

Solar neutrinos. Reopening the solar neutrino question, *News and views*, (Krauss, L M) **357,** 437
Solar neutrinos: Is no SNUs good news?, *News and views*, (Krauss, L M) **355,** 399
Solar physics. Evolution and advection of solar mesogranulation, *Letter to Nature*, (Muller, R, Auffret, H, Roudier, T, Vigneau, J, Simon, G W, Frank, Z, Shine, R A, Title, A M) **356,** 322
Solar interior and atmosphere. *Book review by* Zirker, J B. **357,** 552
Weakly damped Alfvén waves as drivers of solar chromospheric spicules, *Letter to Nature*, (Haerendel, G) **360,** 241
Long-term solar brightness changes estimated from a survey of Sun-like stars, *Letter to Nature*, (Lockwood, G W, Skiff, B A, Baliunas, S L, Radick, R R) **360,** 653
Interpretation of solar-cycle variability in high-degree p-mode frequencies, *Letter to Nature*, (Evans, D J, Roberts, B) **355,** 230
Solar neutrinos: Is no SNUs good news?, *News and views*, (Krauss, L M) **355,** 399
Blinded by the light: The secret life of the Sun, *Book review by* Petrasso, R D. **355,** 29
Solar power. Future fuels, *Correspondence*, (Fyfe, W S) **355,** 10
Stable photoinduced charge separation in layered viologen compounds, *Letter to Nature*, (Vermeulen, L A, Thompson, M E) **358,** 656
Solar power: Towards energy storage, *News and views*, (Dutta, P) **358,** 621
Long-lived photoinduced charge separation in a redox system trapped in a sol-gel glass, *Letter to Nature*, (Slama-Schwok, A, Ottolenghi, M, Avnir, D) **355,** 240
Solar System, evolution. Clues to early Solar System history from chromium isotopes in carbonaceous chondrites, *Article*, (Rotaru, M, Birck, J L, Allègre, C J) **358,** 465
The anthropic view of nucleosynthesis, *News and views*, (Maddox, J) **355,** 107
Solar System. An example of stable chaos in the Solar System, *Letter to Nature*, (Milani, A, Nobili, A M) **357,** 569
Solar system: Wandering on a leash, *News and views*, (Murray, C D) **357,** 542
Beyond the fringe, *News and views*, **359,** 275
Solar-terrestrial environment. The solar-terrestrial environment, *Book review by* Saunders, M. **360,** 428
EISCAT's place out of the Sun, *News*, **360,** 522
The solar-terrestrial environment, *Book review by* Saunders, M. **360,** 428
The aurora: Sun-earth interactions, *Book review by* Saunders, M. **360,** 428
Solid-state chemistry. Control of dissolution rates of orthosilicate minerals by divalent metal-oxygen bonds, *Letter to Nature*, (Casey, W H, Westrich, H R) **355,** 157
Solid-state physics. Solid state physics: Looking inside quantum dots, *News and views*, (Eaves, L) **357,** 540
A molecular water pump in quartz dislocations, *Letter to Nature*, (Heggie, M I) **355,** 337
Solitons. Chaos, solitons and fractals: Applications in science and engineering, *Journal review*, (Shlesinger, M, El Naschie, M S) **359,** 453
South Africa, education. Cabinet shifts unlikely to help South African universities, *News*, (Cherry, M) **357,** 184
South Africa: Report asks more for academic science, *News*, (Cherry, M) **356,** 9
South Africa, science budget. South Africa: Budgets cut again, *News*, (Cherry, M) **356,** 278
South Africa, science. South Africa: Beyond apartheid - on the cheap, *News*, (Cherry, M) **356,** 737
South America, archaeology. Archaeology: Amazon rocks the cradle, *News and views*, (Bahn, P G) **355,** 588
South Korea, technology. Technology policy: South Korea commits funds, *News*, (Swinbanks, D) **355,** 193
Soviet republics, science aid. US and EC launch separate foundations to help Russians, *News*, (Anderson, C, Mundell, I) **359,** 767
Soviet Union (former), research. US astronomers compute an answer, *News*, (Mervis, J) **356,** 733
Soviet Union (former), science academies. The former Soviet Union: The West gropes for ways to help, *News*, (Mervis, J) **356,** 733
Soviet Union, dissolution. Lithuania's need, *Correspondence*, (Lozoraitis, S) **357,** 433
Good government for small countries, *Opinion*, **355,** 659
What to do with the former Soviet Union, *Opinion*, **355,** 377
Soviet Union, environment. Ecocide in the USSR: Health and nature under siege, *Book review by* Scherbakova, A. **357,** 451
Soviet Union, science. Helping Soviet science (continued), *Opinion*, **356,** 179
Russian scientists: Small, quick grants proposed as lifeline, *News*, (Mervis, J) **356,** 182
Russian scientists: "Our motivation is to do good science", *News*, (Mervis, J) **356,** 182
Recipe for ex-Soviet republics' science, *Opinion*, **355,** 1
Support for Russia *et al.*, *Correspondence*, (Godfrey, J, Hazhakyan, A M) **355,** 195
Opening for US science, *Opinion*, **355,** 2
Five billion vodka bottles to the Moon: Tales of a Soviet scientist, *Book review by* Gratzer, W. **355,** 308
Space physics. The aurora: Sun-earth interactions, *Book review by* Saunders, M. **360,** 428
Space research. Forthcoming space launch rekindles debate in Brazil, *News*, (Bonalume, R) **360,** 290
Europe decides manned space costs too much for now, *News*, (Abbott, A) **357,** 351
Giotto encounters second comet; ready for more, *News*, (Abbott, A) **358,** 179
Costs curtail but do not kill European space laboratory, *News*, (Abbott, A) **360,** 199
ESA drops Hermes and turns towards links with Russia, *News*, (Abbott, A) **359,** 176
US leans on Russia to drop rocket agreement, *News*, (Jayaraman, K S) **356,** 732
Russians reassure India on rocket contract, *News*, (Jayaraman, K S) **357,** 99
India claims market drives US ban on space contracts, *News*, (Jayaraman, K S) **357,** 271
Italian space science: Political feud blocks funds, *News*, (Abbott, A) **356,** 647
US space programme: Industrialist to NASA, *News*, (Anderson, C) **356,** 184
Building a low-cost space station, *Correspondence*, (Ware, R H) **358,** 365
High time for the circuses to stop, *Opinion*, **358,** 609
Big projects eat up NASA's future budgets, *News*, (Anderson, C) **359,** 179
Shake-up planned for Galileo as it steals quietly past Earth and on to Jupiter, *News*, (Reichhardt, T) **360,** 501
Space science: Smaller, cheaper, leaner, *News*, (Anderson, C) **355,** 7
Space research: NASA chief sacked, *News*, (Anderson, C) **355,** 665
Sharing out NASA's spoils, *Commentary*, (Bezdek, R H, Wending, R M) **355,** 105
Cost of cleanliness may sink European Mars mission, *News*, (Mundell, I) **358,** 443
Ways to keep Mars 'clean', *News*, (Mundell, I) **358,** 699
US astronomers compute an answer, *News*, (Mervis, J) **356,** 733
Drastic changes called for in French space programme, *News*, (Butler, D) **359,** 659
Italian space scientists win round in funding, *News*, (Abbott, A) **357,** 351
Solving a fishy problem, *News*, (Swinbanks, D) **356,** 99
Space station wins, but House critic says that he's lost it, *News*, (Anderson, C) **357,** 8
Magellan team fights to extend mission, *News*, (Anderson, C) **357,** 9
Space science in Texas means basic research as well as support for manned flights, *Commentary*, (Oberg, A) **357,** 637
NASA carves up science programme, *News*, (Lawler, A) **359,** 659
Hanging out for the hypersonic plane, *Commentary*, (Handberg, R, Johnson-Freese, J, Webb, D C) **355,** 491
More green for greener satellites, *News*, (Mundell, I) **357,** 9
Freedom to explore, *Correspondence*, (Phillips, R W) **360,** 404
Italian science, *Correspondence*, (Pacini, F, Boella, G, Bussoletti, E, Dobrowolny, M, Vetrella, S) **359,** 10
Superconductivity devices are headed into space, *News*, (Reichhardt, T) **358,** 612
NASA ponders "faster, cheaper" way to send scientific mission to Pluto, *News*, (Reichhardt, T) **358,** 701
Deflection and fragmentation of near-Earth asteroids, *Review article*, (Ahrens, T J, Harris, A W) **360,** 429
Space Shuttle. Italian agency questioned about first astronaut, *News*, (Abbott, A) **358,** 4
NASA on a tether, *Opinion*, **358,** 526
NASA's problems in space eat into time for research, *News*, (Mundell, I) **358,** 529
NASA on a tether, *Correspondence*, (Colles, W M) **359,** 472
Space, and man. Space, time and man: A prehistorian's view, *Book review by* Gingerich, O. **358,** 381
Spain, research. The young and the restless, *News*, (Abbott, A) **360,** 502
Running out of steam ..., *News*, (Segurado, O G) **360,** 502
Speciation. Species and speciation, *Scientific correspondence*, (Kondrashov, A S, Jablonka, E, Lamb, M J) **356,** 752
A disappearing speciation event?, *Scientific correspondence*, (Hauffe, H C, Searle, J B) **357,** 26
The units of selection: Essays on the nature of species, *Book review by* Coyne, J A. **357,** 289
Genetic divergence, speciation and morphological stasis in a lineage of African cichlid fishes, *Letter to Nature*, (Sturmbauer, C, Meyer, A) **358,** 578
Speciation events, *Scientific correspondence*, (Hurst, L D, Pomiankowski, A) **359,** 781
Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246
Genetics and speciation, *Review article*, **355,** 511
Speckle interferometry. Solar astronomy: Breaking out in spots, *News and views*, (Zirin, H) **359,** 271
Resolution of magnetic flux tubes on the Sun, *Letter to Nature*, (Keller, C U) **359,** 307
Spectral diffusion. Optical modification of a single impurity molecule in a solid, *Letter to Nature*, (Basché, Th, Moerner, W E) **355,** 335
Spectroscopy, hole burning. Spectroscopy: Molecular computer memory, *News and views*, (Haarer, D) **355,** 297
Spectroscopy. Quantum optics: New spectroscopic frontiers, *News and views*, (Barnett, S M) **357,** 537
Spectroscopic observation of a catalyst surface in a reactive atmosphere at high pressure, *Letter to Nature*, (Moggridge, G D, Rayment, T, Ormerod, R M, Morris, M A, Lambert, R M) **358,** 658
CH^+ in the Red Rectangle, *Scientific correspondence*, (Hall, D I, Miles, J R, Sarre, P J, Fossey, S J) **358,** 629
Femtosecond laser control of a chemical reaction, *Letter to Nature*, (Potter, E D, Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) **355,** 66
Optical modification of a single impurity molecule in a solid, *Letter to Nature*, (Basché, Th, Moerner, W E) **355,** 335
Sperm cell receptors. Expression of members of the putative olfactory receptor gene family in mammalian germ cells, *Letter to Nature*, (Parmentier, M, Libert, F, Schurmans, S, Schiffmann, S, Lefort, A, Eggerickx, D, Ledent, C, Mollereau, C, Gérard, C, Perret, J, Grootegoed, A, Vassart, G) **355,** 453
Sperm competition. Cross-pollination, *Scientific correspondence*, (Waser, N M, Price, M V, Bertin, R I) **356,** 667
Why do female adders copulate so frequently?, *Letter to Nature*, (Madsen, T, Shine, R, Loman, J, Håkansson, T) **355,** 440
Evolutionary biology: Snakes and female sexuality, *News and views*, (Parker, G A) **355,** 395
Sperm-egg binding. Complementarity between sperm surface β-1,4-galactosyl-transferase and egg-coat ZP3 mediates sperm-egg binding, *Letter to Nature*, (Miller, D J, Macek, M B, Shur, B D) **357,** 589
Sperm-egg fusion. A potential fusion peptide and an integrin ligand domain in a protein active in sperm-egg fusion, *Letter to Nature*, (Blobel, C P, Wolfsberg, T G, Turck, C W, Myles, D G, Primakoff, P, White, J M) **356,** 248
Cell biology: A family of fusion proteins, *News and views*, (Aitken, J) **356,** 196
Sperm. Count down, *News and views*, **359,** 194
Production of sperm reduces nematode lifespan, *Letter to Nature*, (Van Voorhies, W A) **360,** 456
Evolutionary biology: What the sperm count costs, *News and views*, (Partridge, L, Harvey, P H) **360,** 415
Spermatogenesis. Marsupial Y chromosome encodes a homologue of the mouse Y-linked candidate spermatogenesis gene *Ubely*, *Letter to Nature*, (Mitchell, M J, Woods, D R, Wilcox, S A, Marshall Graves, J A, Bishop, C E) **359,** 528
Evolution of sex determination and the Y chromosome: *SRY*-related sequences in marsupials, *Letter to Nature*, (Foster, J W, Brennan, F E, Hampikian, G K, Goodfellow, P N, Sinclair, A H, Lovell-Badge, R, Selwood, L, Renfree, M B, Cooper, D W, Marshall Graves, J A) **359,** 531
Developmental switch of CREM function during spermatogenesis: from antagonist to activator, *Letter to Nature*, (Foulkes, N S, Mellström, B, Benusiglio, E, Sassone-Corsi, P) **355,** 80
Spiders. Sexual dimorphism and distorted sex ratios in spiders, *Letter to Nature*, (Vollrath, F, Parker, G A) **360,** 156
Impaled prey, *Scientific correspondence*, (Gillespie, R G) **355,** 212
Spiral galaxies. Direct measurement of the optical depth in a spiral galaxy, *Letter to Nature*, (White, R E III, Keel, W C) **359,** 129
Counter-rotating gaseous disks in the "Evil Eye" galaxy NGC4826, *Letter to Nature*, (Braun, R, Walterbos, R A M, Kennicutt, R C Jr) **360,** 442
Erratum: Direct measurement of the optical depth in a spiral galaxy, *Letter to Nature*, (White, R E III, Keel, W C) **359,** 655
How to give a galaxy a black eye, *News and views*, (Quinn, P J) **360,** 418
Magnetic fields as an alternative explanation for the rotation curves of spiral galaxies, *Letter to Nature*, (Battaner, E, Garrido, J L, Membrado, M, Florido, E) **360,** 652
Spiral waves. Stationary and drifting spiral waves of excitation in isolated cardiac muscle, *Letter to Nature*, (Davidenko, J M, Pertsov, A V, Salomonsz, R, Baxter, W, Jalife, J) **355,** 349
Spongiform encephalopathies. Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein, *Article*, (Büeler, H, Fischer, M, Lang, Y, Bluëthmann, H, Lipp, H-P, DeArmond, S J, Prusiner, S B, Aguet, M, Weissmann, C) **356,** 577
Spongiform encephalopathies: PrP and the scrapie agent, *News and views*, (Chesebro, B) **356,** 560
Src-homology (SH3) domain. Crystal structure of a Src-homology 3 (SH3) domain, *Letter to Nature*, (Musacchio, A, Noble, M, Pauptit, R, Wierenga, R, Saraste, M) **359,** 851
Src protein-related tyrosine kinases. Engagement of the high-affinity IgE receptor activities *src* protein-related tyrosine kinases, *Letter to Nature*, (Eiseman, E, Bolen, J B) **355,** 78
Staphylococcal enterotoxin. Crystal structure of staphylococcal enterotoxin B, a superantigen, *Article*, (Swaminathan, S, Furey, W, Pletcher, J, Sax, M) **359,** 801
Star formation. Active galactic nuclei: Brilliance without black holes, *News and views*, (Robinson, A) **359,** 104
The case against a massive black hole at the Galactic Centre, *Letter to Nature*, (Sanders, R H) **359,** 131
The formation of binary and multiple star systems, *Article*, (Chapman, S, Pongracic, H, Disney, M, Nelson, A, Turner, J, Whitworth, A) **359,** 207
Star formation and the origin of stellar masses, *Letter to Nature*, (Podsiadlowski, P, Price, N M) **359,** 305
Star wars. Teller's war: The top-secret story behind the Star

Wars deception, *Book review by* Ritson, D M. **356,** 627

Stars. The mind's sky: Human intelligence in a cosmic context, *Book review by* Price, H. **356,** 632

Statistical physics. Crumpled and collapsed conformations in graphite oxide membranes, *Letter to Nature,* (Wen, X, Garland, C W, Hwa, T, Kardar, M, Kokufuta, E, Li, Y, Orkisz, M, Tanaka, T) **355,** 426

Territory covered by *N* diffusing particles, *Letter to Nature,* (Larralde, H, Trunfio, P, Havlin, S, Stanley, H E, Weiss, G H) **355,** 423

Statistical physics: New paths for random walkers, *News and views,* (Shlesinger, M F) **355,** 396

Statistics. Statistics of chronic disease control, *Commentary,* (Peto, R) **356,** 557

Born to it, *Correspondence,* (Judson, O) **357,** 433

Ecology of globular clusters, *News and views,* (Heggie, D C) **359,** 772

Geomagnetic reversal paths, *Scientific correspondence,* (Laj, C, Mazaud, A, Weeks, R, Fuller, M, Herrero-Bervera, E) **359,** 111

World population, *Scientific correspondence,* (Tuckwell, H C, Koziol, J A) **359,** 200

Stellar chemistry. Evidence from zinc abundances for dust fractionation in chemically peculiar stars, *Letter to Nature,* (Van Winckel, H, Mathis, J S, Waelkens, C) **356,** 500

Stellar chemistry: A case of missing metals, *News and views,* (Bond, H E) **356,** 474

Cosmochemistry: Lithium given and taken away, *News and views,* (Gilmore, G) **358,** 108

Stellar discs. Counter-rotating gaseous disks in the "Evil Eye" galaxy NGC4826, *Letter to Nature,* (Braun, R, Walterbos, R A M, Kennicutt, R C Jr) **360,** 442

How to give a galaxy a black eye, *News and views,* (Quinn, P J) **360,** 418

Stellar dynamics. Astronomy: Fast process, slow progress, *News and views,* (Edmunds, M G) **360,** 302

Stellar evolution. Cosmochemistry: Lithium given and taken away, *News and views,* (Gilmore, G) **358,** 108

White dwarfs as quantum crystals, *Letter to Nature,* (Chabrier, G, Ashcroft, N W, DeWitt, H E) **360,** 48

Stellar evolution: Stars arriving two by two, *News and views,* (Clarke, C) **357,** 197

Astronomy: Stars at the quantum limit, *News and views,* (Joss, P C) **360,** 15

Nucleosynthesis: Flashing giants forge fluorine, *News and views,* (Mathews, G J) **359,** 18

Asymptotic-giant-branch stars, *News and views,* (Mathews, G J) **359,** 18

Disappearance of coronal X-ray emission in stars with cool dense winds, *Letter to Nature,* (Haisch, B, Schmitt, J H M M, Fabian, A C) **360,** 239

Structure and evolution of single and binary stars, *Book review by* Tayler, R J. **360,** 120

Waning star, *News and views,* **360,** 213

Planetary formation: Finding circumstellar disks, *News and views,* (Strom, S E) **359,** 360

Circumstellar disks deduced from sub-arcsecond polarization observations of two young stars, *Letter to Nature,* (Pitroia, V, Scaltriti, F, Coyne, G V) **359,** 399

Star formation and the origin of stellar masses, *Letter to Nature,* (Podsiadlowski, P, Price, N M) **359,** 305

Detection of a new white-dwarf binary system in the extreme ultraviolet using the Rosat Wide Field Camera, *Letter to Nature,* (Cooke, B A, Barstow, M A, Breeveld, E R, Charles, P A, Goodall, C V, Gourlay, J A, Hassall, B J M, Huckle, H E, Kent, B J, Pye, J P, Richards, A G, Sims, M R, Sumner, T J, Watson, M G, Wells, A, Willingale, R, Wright, J S) **355,** 61

Detection of helium-3 in a planetary nebula, *Letter to Nature,* (Rood, R T, Bania, T M, Wilson, T L) **355,** 618

Stellar evolution: Growing old before our eyes, *News and views,* (Weiss, A) **355,** 392

Observation of gradual brightening of P Cygni due to stellar evolution, *Letter to Nature,* (de Groot, M J H, Lamers, H J G L M) **355,** 422

Stellar opacities. Astrophysics: Stellar opacities in a flash, *News and views,* (Guenther, D B) **359,** 585

Stellar physics. Resolution of the circumstellar gas around the Be star Persei, *Letter to Nature,* (Dougherty, S M, Taylor, A R) **359,** 808

Fast pulsations in a Wolf-Rayet star, *Letter to Nature,* (Blecha, A, Schaller, G, Maeder, A) **360,** 320

Long-term solar brightness changes estimated from a survey of Sun-like stars, *Letter to Nature,* (Lockwood, G W, Skiff, B A, Baliunas, S L, Radick, R R) **360,** 653

Stem cells. Gene therapy: Italians first to use stem cells, *News,* (Abbott, A) **356,** 465

Sterility, hybrid. A test of reciprocal X-Y interactions as a cause of hybrid sterility in *Drosophila, Letter to Nature,* (Johnson, N A, Perez, D E, Cabot, E L, Hollocher, H, Wu, C-I) **358,** 751

Steroid receptors. A transcriptional hierarchy involved in mammalian cell-type specification, *Letter to Nature,* (Kuo, C J, Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) **355,** 457

Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature,* (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441

Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature,* (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446

Steroids. Gene regulation: Ecdysone and the onion, *News and views,* (Guild, G, Richards, G) **357,** 539

A chimaeric 11ß-hydroxylase/aldosterone synthase gene causes glucocorticoid-remediable aldosteronism and human hypertension, *Letter to Nature,* (Lifton, R P, Dluhy, R G, Powers, M, Rich, G M, Cook, S, Ulick, S, Lalouel, J-M) **355,** 262

Stomach, acid. Viscous fingering of HCl through gastric mucin, *Letter to Nature,* (Bhaskar, K R, Garik, P, Turner, B S, Bradley, J D, Bansil, R, Stanley, H E, LaMont, J T) **360,** 458

Stopes, Marie. Marie Stopes and the sexual revolution, *Book review by* Davenport-Hines, R. **360,** 381

Strange attractors. How predictable is chaos?, *Scientific correspondence,* (Cazelles, B, Ferriere, R H) **355,** 25

How predictable is chaos? Reply, *Scientific correspondence,* (Sugihara, G, May, R M) **355,** 26

Strategic Defense Initiative. Teller's war: The top-secret story behind the Star Wars deception, *Book review by* Ritson, D M. **356,** 627

US national laboratories: Beating swords into "critical technologies", *News,* (Anderson, C) **355,** 578

Gone fishing, *News and views,* **356,** 288

Latest Proterozoic stratigraphy and Earth history, *Review article,* (Knoll, A H, Walter, M R) **356,** 673

Marine isotope evolution, *Scientific correspondence,* (Ward, P D, Nelson, B K, MacLeod, K G) **358,** 378

Strontium isotopes at K/T boundary, *Scientific correspondence,* (McArthur, J M, Burnett, J, Hancock, J M) **355,** 28

Stratosphere, circulation. Tropical stratospheric circulation deduced from satellite aerosol data, *Letter to Nature,* (Trepte, C R, Hitchman, M H) **355,** 626

Stratosphere, ozone. Global environmental engineering, *Commentary,* (Cicerone, R J, Elliott, S, Turco, R P) **356,** 472

Ozone depletion in the upper stratosphere estimated from satellite and Space Shuttle data, *Letter to Nature,* (Hilsenrath, E, Cebula, R, Jackman, C H) **358,** 131

Stratosphere. Structure of stratospheric intrusions into the troposphere, *Letter to Nature,* (Appenzeller, C, Davies, H C) **358,** 570

Streams, chemistry. Predicted response of stream chemistry to acid loading tested in Canadian catchments, *Letter to Nature,* (Kirchner, J W, Dillon, P J, LaZerte, B D) **358,** 478

Stress, environmental. Oxidative stress and heat shock induce a human gene encoding a protein-tyrosine phosphatase, *Letter to Nature,* (Keyse, S M, Emslie, E A) **359,** 644

Strontium isotope analysis. Seawater Sr isotope variation over the past 300 kyr and influence of global climate cycles, *Letter to Nature,* (Dia, A N, Cohen, A S, O'Nions, R K, Shackleton, N J) **356,** 786

Strontium isotope stratigraphy. Gone fishing, *News and views,* **356,** 288

Marine isotope evolution, *Scientific correspondence,* (Ward, P D, Nelson, B K, MacLeod, K G) **358,** 378

Strontium isotopes at K/T boundary, *Scientific correspondence,* (McArthur, J M, Burnett, J, Hancock, J M) **355,** 28

Strontium isotopes. Bulk synthesis and selective exchange of strontium ions in $Na_xMg_xAl_xSi_xO_xF$ mica, *Letter to Nature,* (Paulus, W J, Komarneni, S, Roy, R) **357,** 571

Structural biology. X-ray analyses of peptide-inhibitor complexes define the structural basis of specificity for human and mouse renins, *Article,* (Dhanaraj, V, Dealwis, C G, Frazao, C, Badasso, M, Sibanda, B L, Tickle, I J, Cooper, J B, Driessen, H P C, Newman, M, Aguilar, C, Wood, S P, Blundell, T L, Hobart, P M, Geoghegan, K F, Ammirati, M J, Danley, D E, O'Connor, B A, Hoover, D J) **357,** 466

Crystal structures explain functional properties of two *E. coli* porins, *Article,* (Cowan, S W, Schirmer, T, Rummel, G, Steiert, M, Ghosh, R, Pauptit, R A, Jansonius, J N, Rosenbusch, J P) **358,** 727

Crystal structure of staphylococcal enterotoxin B, a superantigen, *Article,* (Swaminathan, S, Furey, W, Pletcher, J, Sax, M) **359,** 801

Correct structure prediction?, *Scientific correspondence,* (Benner, S A, Cohen, M A, Gerloff, D) **359,** 781

Protein structure: New approaches to disease and therapy, *Book review by* Blundell, T. **360,** 218

Current opinion in structural biology, *Journal review,* (Blow, D, Hendrickson, W, Klug, A) **359,** 448

Jury returns on structure prediction, *Scientific correspondence,* (Rost, B, Sander, C) **360,** 540

Deviant TATA-box binding protein, *Scientific correspondence,* (Hyde, J E, Sims, P F G, Read, M, McAndrew, M B) **360,** 541

Structural chemistry. Magic numbers and stable structures for fullerenes, fullerides and fullerenium ions, *Letter to Nature,* (Fowler, P W, Manolopoulos, D E) **355,** 428

Determination of complex structures by combined neutron and synchrotron X-ray powder diffraction, *Letter to Nature,* (Morris, R E, Harrison, W T A, Nicol, J M, Wilkinson, A P, Cheetham, A K) **359,** 519

Structure, protein. The dead-end elimination theorem and its use in protein side-chain positioning, *Letter to Nature,* (Desmet, J, De Maeyer, M, Hazes, B, Lasters, I) **356,** 539

Protein structure: New paths from dead ends, *News and views,* (Taylor, W) **356,** 478

Students, US. Realities behind riots, *Opinion,* **357,** 179

Subduction. Seismology: Wrinkles on the inside, *News and views,* (Lay, T) **355,** 768

Global mapping of topography on the 660-km discontinuity, *Article,* (Shearer, P M, Masters, T G) **355,** 791

Water in the Earth's upper mantle, *Review article,* (Thompson, A B) **358,** 295

Seismological evidence for metastable olivine inside a subducting slab, *Letter to Nature,* (Iidaka, T, Suetsugu, D) **356,** 593

Enhanced Cenozoic chemical weathering and the subduction of pelagic carbonate, *Letter to Nature,* (Caldeira, K) **357,** 578

Evidence from ultra-high-pressure marbles for recycling of sediments into the mantle, *Letter to Nature,* (Becker, H, Altherr, R) **358,** 745

Crustal recycling: Surviving subduction, *News and views,* (White, W M) **358,** 714

Excitation of true polar wander by subduction, *Letter to Nature,* (Spada, G, Ricard, Y, Sabadini, R) **360,** 452

Flattening of the sea-floor depth-age curve as a response to asthenospheric flow, *Letter to Nature,* (Morgan, J P, Smith, W H F) **359,** 524

Geophysics: Preserving a sense of direction, *News and views,* (Dickman, S R) **360,** 421

Large-scale mantle convection and the history of subduction, *Letter to Nature,* (Richards, M A, Engebretson, D C) **355,** 437

Subitization. Addition and subtraction by human infants, *Letter to Nature,* (Wynn, K) **358,** 749

Developmental psychology: Arithmetic in the cradle, *News and views,* (Bryant, P E) **358,** 712

Submarines. Water baby: The story of *Alvin, Book review by* Smith, P J. **355,** 32

Succinate dehydrogenase. Biological electron transfer: Plug in a molecular diode, *News and views,* (Cammack, R) **356,** 288

Diode-like behaviour of a mitochondrial electron-transport enzyme, *Letter to Nature,* (Sucheta, A, Ackrell, B A C, Cochran, B, Armstrong, F A) **356,** 361

Suicide, and smoking. Smoke screen, *News and views,* **359,** 363

Sulphate aerosols. Anthropogenic influence on the distribution of tropospheric sulphate aerosol, *Letter to Nature,* (Langner, J, Rodhe, H, Crutzen, P J, Zimmermann, P) **359,** 712

Sulphur cycle. Removal of sulphur from the marine boundary layer by ozone oxidation in sea-salt aerosols, *Letter to Nature,* (Sievering, H, Boatman, J, Gorman, E, Kim, Y, Anderson, L, Ennis, G, Luria, M, Pandis, S) **360,** 571

Link between iron and sulphur cycles suggested by detection of Fe(II) in remote marine aerosols, *Letter to Nature,* (Zhuang, G, Yi, Z, Duce, R A, Brown, P R) **355,** 537

Sulphur dioxide emissions. Disposal of SO_2 in sea water, *Scientific correspondence,* (Drange, H, Haugan, P M, Colls, J J) **357,** 547

Disposal of SO_2 in sea water: Reply, *Scientific correspondence,* (Radojevic, M) **357,** 547

Sulphur dioxide. Absorption of flue gases by water, *Scientific correspondence,* (Radojevic, M, Tressider, D A) **356,** 391

Sun, acoustic oscillations. Interpretation of solar-cycle variability in high-degree p-mode frequencies, *Letter to Nature,* (Evans, D J, Roberts, B) **355,** 230

Sun. Blinded by the light: The secret life of the Sun, *Book review by* Petrasso, R D. **355,** 29

Sundials. Time on one's hand, *Book review by* **360,** 217

Superantigens. Superantigen implicated in dependence of HIV-1 replication in T cells on TCR Vß expression, *Letter to Nature,* (Laurence, J, Hodtsev, A S, Posnett, D N) **358,** 255

Evidence for a viral superantigen in humans, *Letter to Nature,* (Lafon, M, Lafage, M, Martinez-Arends, A, Ramirez, R, Vuillier, F, Charron, D, Lotteau, V, Scott-Algara, D) **358,** 507

Superantigens: Playing upon both sides, *News and views,* (Esser, U, Parham, P) **359,** 19

Superantigen data, *Scientific correspondence,* (Fraser, J D, Lafon, M) **360,** 423

Death by superantigen, *Scientific correspondence,* (Ochi, A, Kawabi, Y) **355,** 211

Death by superantigen: Reply, *Scientific correspondence,* (Cohen, J J, Duke, R C, Sellins, K S) **355,** 212

Supercomputers, US. Supercomputers: Changing of the guard leaves Cray out, *News,* (Anderson, C) **356,** 95

Contradictory US trade policy opens supercomputer market to Japanese, *News,* (Anderson, C) **358,** 265

Cray claims foul play in Japan, *News,* (Swinbanks, D) **358,** 265

Superconducting gap, fullerenes. Infrared reflectivity measurements of a superconducting energy scale in Rb_3C_{60}, *Letter to Nature,* (Rotter, L D, Schlesinger, Z, McCauley, J P, Coustel, N, Fischer, J E, Smith, A B) **355,** 532

Superconducting Super Collider. No SSC for India, *News,* (Mervis, J) **356,** 98

Superconducting supercollider: Congress attacks contractor, accountants, *News,* (Anderson, C) **356,** 554

Foreign contributors hold fate of two SSC detectors, *News,* (Mervis, J) **357,** 102

SSC says it holds the edge, *News,* (Mervis, J) **357,** 429

Which accelerator will be next?, *Opinion,* **358,** 263

Japanese physicists say SSC will hurt domestic research, *News,* (Swinbanks, D) **358,** 266

Another phoenix?, *Opinion,* **357,** 613

House vote to kill SSC reflects squeeze that budget deficit

puts on all research, *News*, (Mervis, J, Anderson, C) **357**, 616
Supercollider creates a field of dreams for luring high-energy physicists to Texas, *Commentary*, (Mervis, J) **357**, 632
Four who have come, *Commentary*, (Mervis, J) **357**, 633
International collaboration: Japan leaning towards SSC, *News*, (Swinbanks, D) **355**, 8
Japan: Japan vacillates over SSC, *News*, (Swinbanks, D) **355**, 193
Superconductivity, devices. Superconductivity devices are headed into space, *News*, (Reichhardt, T) **358**, 612
Superconductivity, flux thinning. Real-time observation of vortex lattices in a superconductor by electron microscopy, *Letter to Nature*, (Harada, K, Matsuda, T, Bonevich, J, Igarashi, M, Kondo, S, Pozzi, G, Kawabe, U, Tonomura, A) **360**, 51
Superconductivity, fullerenes. Structural and electronic properties of sodium-intercalated C_{60}, *Letter to Nature*, (Rosseinsky, M J, Murphy, D W, Fleming, R M, Tycko, R, Ramirez, A P, Siegrist, T, Dabbagh, G, Barrett, S E) **356**, 416
Superconductivity in sodium- and lithium-containing alkali-metal fullerides, *Letter to Nature*, (Tanigaki, K, Hirosawa, I, Ebbesen, T W, Mizuki, J, Shimakawa, Y, Kubo, Y, Tsai, J S, Kuroshima, S) **356**, 419
Fullerene superconductors: Back to the drawing board, *News and views*, (Stephens, P W) **356**, 383
Superconductivity at 8.4K in calcium-doped C_{60}, *Letter to Nature*, (Kortan, A R, Kopylov, N, Glarum, S, Gyorgy, E M, Ramirez, A P, Fleming, R M, Thiel, F A, Haddon, R C) **355**, 529
Infrared reflectivity measurements of a superconducting energy scale in Rb_3C_{60}, *Letter to Nature*, (Rotter, L D, Schlesinger, Z, McCauley, J P, Coustel, N, Fischer, J E, Smith, A B) **355**, 532
Isotope effect on superconductivity in Rb_3C_{60}, *Letter to Nature*, (Ebbesen, T W, Tsai, J S, Tanigaki, K, Tabuchi, J, Shimakawa, Y, Kubo, Y, Hirosawa, I, Mizuki, J) **355**, 620
Superconductivity, high temperature. Superconductivity at 110 K in the infinite-layer compound $(Sr_{1-x}Ca_x)_{1-y}CuO_2$, *Letter to Nature*, (Azuma, M, Hiroi, Z, Takano, M, Bando, Y, Takeda, Y) **356**, 775
High-temperature superconductivity: An introduction, *Book review by* Rose-Innes, A C **357**, 552
High-temperature superconductivity: Natural Josephson junctions, *News and views*, (Pegrum, C) **358**, 193
High-quality superconducting thin films of $Bi_2Sr_2Ca_1Cu_2O_x$ grown *in situ* by metalorganic CVD, *Letter to Nature*, (Endo, K, Yamasaki, H, Misawa, S, Yoshida, S, Kajimura, K) **355**, 327
Superconductivity. Superconductivity: Growing up in public, *News*, (Anderson, C) **356**, 185
Coherence of the superconducting wavefunction between the heavy-fermion superconductor UPd_2Al_3 and niobium, *Letter to Nature*, (He, Y, Muirhead, C, Bradshaw, A, Abell, J S, Schank, C, Geibel, G, Steglich, F) **357**, 227
A new copper oxide superconductor containing carbon, *Letter to Nature*, (Kinoshita, K, Yamada, T) **357**, 313
Real-time imaging of the magnetic flux distribution in superconducting $YBa_2Cu_3O_{7-\delta}$, *Letter to Nature*, (Durán, C A, Gammel, P L, Wolfe, R, Fratello, V J, Bishop, D J, Rice, J P, Ginsberg, D M) **357**, 474
Are superconductors really superconducting?, *Review article*, (Huse, D A, Fisher, M P A, Fisher, D S) **358**, 553
Hard times for high-T_c press, *News*, **359**, 180
Superconductivity: Its historical roots and development from mercury to the ceramic oxides, *Book review by* Shoenberg, D. **359**, 281
Superconductivity in barium fulleride, *Letter to Nature*, (Kortan, A R, Kopylov, N, Glarum, S, Gyorgy, E M, Ramirez, A P, Fleming, R M, Zhou, O, Thiel, F A, Trevor, P L, Haddon, R C) **360**, 566
Novel field-induced asymmetry in the remanent magnetization of the superconductor $YBa_2Cu_3O_x$, *Letter to Nature*, (Brawner, D A, Ong, N P, Wang, Z Z) **358**, 567
Supercooling. Phase behaviour of metastable water, *Letter to Nature*, (Poole, P H, Sciortino, F, Essmann, U, Stanley, H E) **360**, 324
Liquid physics: Still waters run still deeper, *News and views*, (Sorensen, C M) **360**, 303
Superfluidity. Superfluidity: Slowly unwinding in ^{3}He, *News and views*, (McClintock, P V E) **356**, 749
Low-temperature physics: Superfluid gyroscope, *News and views*, (Hess, G B) **359**, 192
Supernovae. Archaeoastronomy: Dating supernova remnants, *News and views*, (Manchester, R N) **356**, 660
Napoleon's hat, *Scientific correspondence*, (Felten, J E, Dwek, E) **356**, 202
Napoleon's hat: Reply, *Scientific correspondence*, (Podsiadlowski, P, Fabian, A C, Stevens, I R) **356**, 202
A model for the radio brightness of the supernova remnant 1987A, *Letter to Nature*, (Chevalier, R A) **355**, 617
Supernova 1987A at five years of age, *Review article*, (Chevalier, R A) **355**, 691
Evidence for single-temperature dust in the Crab nebula from a reanalysis of its infrared spectrum, *Letter to Nature*, (Strom, R G, Greidanus, H) **358**, 654
Active galactic nuclei: Brilliance without black holes, *News and views*, (Robinson, A) **359**, 104
A distant candle, *News and views*, (Lindley, D) **360**, 413
Dynamical development of a ring-like structure in the supernova 1987A nebula, *Letter to Nature*, (Wang, L, Mazzali, P A) **355**, 58
Radio days of a remnant supernova, *News and views*, (Lindley, D) **355**, 113
Birth of a radio supernova in supernova remnant 1987A, *Letter to Nature*, (Staveley-Smith, L, Manchester, R N, Kesteven, M J, Campbell-Wilson, D, Crawford, D F, Turtle, A J, Reynolds, J E, Tzioumis, A K, Kileen, N E B, Jauncey, D L) **355**, 147
Supernova 1987A: And still there is no pulsar, *News and views*, (Chevalier, R A) **360**, 629
Superoxide dismutase. Faster superoxide dismutase mutants designed by enhancing electrostatic guidance, *Letter to Nature*, (Getzoff, E D, Cabelli, D E, Fisher, C L, Parge, H E, Viezzoli, M S, Banci, L, Hallewell, R A) **358**, 347
Quicker reaction by design, *News and views*, (Riddihough, G) **358**, 280
Superplumes, mantle. Geomagnetism: Superplumes and superchrons, *News and views*, (Fuller, M, Weeks, R) **356**, 16
Supramolecular chemistry. Supramolecular chemistry: New synthetic receptors, *News and views*, (Lindoy, L F) **356**, 197
Picking up the chemical thread, *News and views*, (Ball, P) **356**, 290
The molecular necklace: a rotaxane containing many threaded α-cyclodextrins, *Letter to Nature*, (Harada, A, Li, J, Kamachi, M) **356**, 325
Triple helix in a trice, *News and views*, (Pease, R) **355**, 677
Surface chemistry. Energy transfer and vibrational effects in the dissociation and scattering of D_2 from Cu(111), *Letter to Nature*, (Hodgson, A, Moryl, J, Traversaro, P, Zhao, H) **356**, 501
Surface chemistry: Making and breaking bonds, *News and views*, (Kleyn, A W) **356**, 477
Surface diffusion. Atomic replacement and vacancy formation and annihilation on iridium surfaces, *Letter to Nature*, (Tsong, T T, Chen, C-L) **355**, 328
Surface physics. Liquid-hexatic phase transitions in single molecular layers of liquid-crystal films, *Letter to Nature*, (Geer, R, Stoebe, T, Huang, C C, Pindak, R, Goodby, J W, Cheng, M, Ho, J T, Hui, S W) **355**, 152
Surface science. Surface physics: Hydrogen atoms band together, *News and views*, (Nieminen, R) **356**, 289
Domain boundaries and buckling superstructures in Langmuir-Blodgett films, *Letter to Nature*, (Garnaes, J, Schwartz, D K, Viswanathan, R, Zasadzinski, J A N) **357**, 54
Spectroscopic observation of a catalyst surface in a reactive atmosphere at high pressure, *Letter to Nature*, (Moggridge, G D, Rayment, T, Ormerod, R M, Morris, M A, Lambert, R M) **358**, 658
Direct measurement of potassium-promoted change in heat of adsorption energy of CO on Ni[100], *Letter to Nature*, (Al-Sarraf, N, Stuckless, J T, King, D A) **360**, 243
Surface science: A little heat goes a long way, *News and views*, (Yates, J T Jr) **360**, 211
A direct inversion method for surface structure determination from LEED intensities, *Letter to Nature*, (Hu, P, King, D A) **360**, 655
Evidence of a transition temperature for the optimum deposition of grafted monolayer coatings, *Letter to Nature*, (Brzoska, J B, Shahidzadeh, N, Rondelez, F) **360**, 721
Atomic replacement and vacancy formation and annihilation on iridium surfaces, *Letter to Nature*, (Tsong, T T, Chen, C-L) **355**, 328
Dynamics of gas-surface interactions, *Book review by* Steele, W A... **355**, 310
Surface catalysis studied by *in situ* positron emission, *Letter to Nature*, (Jonkers, G, Vonkeman, K A, van der Wal, S W A, van Santen, R A) **355**, 63
Hopalong, *News and views*, **355**, 501
Surface tension. "Surface tension" in the lungs, *Scientific correspondence*, (Bangham, A D) **359**, 110
Hopalong, *News and views*, **355**, 501
Swi6 protein. *SWI6* protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast, *Letter to Nature*, (Lowndes, N F, Johnson, A L, Breeden, L, Johnston, L H) **357**, 505
A central role for *SWI6* in modulating cell cycle Start-specific transcription in yeast, *Letter to Nature*, (Dirick, L, Moll, T, Auer, H, Nasmyth, K) **357**, 508
Switzerland, animal experiments. Swiss conundrums, *Opinion*, **355**, 574
Swiss vote Sunday could restrict animal research, *News*, (Aldhous, P) **355**, 575
Animal experimentation: Swiss public backs research, *News*, (Aldhous, P) **355**, 664
Switzerland, biotechnology. Swiss vote for biotechnology, with controls, *News*, (Klaffke, O) **357**, 181
Switzerland, research funding. Swiss launch environment programme, *News*, (Klaffke, O) **358**, 531
Symbiosis, *Rhizobium*-plant. *Rhizobium*-plant signal exchange, *Review article*, (Fisher, R F, Long, S R) **357**, 655
Symmetry. Crystallography: Copernican revolution declared, *News and views*, (Mackay, A L) **356**, 566
Icons and symmetries, *Book review by* Mermin, N D. **357**, 453
Fearful symmetry: Is God a geometer?, *Book review by* Altmann, S L. **360**, 545
Vocabulary for fuzzy symmetry, *News and views*, (Fowler, P W) **360**, 626
Synapsins. Synaptic vesicle-associated Ca^{2+}/calmodulin-dependent protein kinase II is a binding protein for synapsin I, *Letter to Nature*, (Benfenati, F, Valtorta, F, Rubenstein, J L, Gorelick, F S, Greengard, P, Czernik, A J) **359**, 417
Synaptic connections. Neurobiology: Modules for molecules, *News and views*, (Shepherd, G M) **358**, 457
Synaptic plasticity. Positive feedback of glutamate exocytosis by metabotropic presynaptic receptor stimulation, *Letter to Nature*, (Herrero, I, Miras-Portugal, M T, Sánchez-Prieto, J) **360**, 163
Postsynaptic contribution to long-term potentiation revealed by the analysis of miniature synaptic currents, *Article*, (Manabe, T, Renner, P, Nicoll, R A) **355**, 50
Long-term potentiation: Miniatures get bigger, *News and views*, (Edwards, F A) **355**, 21
Synaptic signals. Synaptic excitation produces a long-lasting rebound potentiation of inhibitory synaptic signals in cerebellar Purkinje cells, *Letter to Nature*, 'Kano, M, Rexhausen, U, Dreessen, J, Konnerth, A) **356**, 601
Synaptic transmission. Rapid-time-course miniature and evoked excitatory currents at cerebellar synapses *in situ*, *Letter to Nature*, (Silver, R A, Traynelis, S F, Cull-Candy, S G) **355**, 163
Long-term potentiation is associated with increases in quantal content and quantal amplitude, *Letter to Nature*, (Kullmann, D M, Nicoll, R A) **357**, 240
ATP mediates fast synaptic transmission in mammalian neurons, *Letter to Nature*, (Evans, R J, Derkach, V, Surprenant, A) **357**, 503
Developmental regulation of NMDA receptor-mediated synaptic currents at a central synapse, *Letter to Nature*, (Hestrin, S) **357**, 686
Presynaptic release probability influences the locus of long-term potentiation, *Letter to Nature*, (Larkman, A, Hannay, T, Stratford, K, Jack, J) **360**, 70
Cloning and expression of a rat brain L-glutamate transporter, *Letter to Nature*, (Pines, G, Danbolt, N C, Bjorås, M, Zhang, Y, Bendahan, A, Eide, L, Koepsell, H, Storm-Mathisen, J, Seeberg, E, Kanner, B I) **360**, 464
Primary structure and functional characterization of a high-affinity glutamate transporter, *Letter to Nature*, (Kanai, Y, Hediger, M A) **360**, 467
The glial cell glutamate uptake carrier countertransports pH-changing anions, *Letter to Nature*, (Bouvier, M, Szatkowski, M, Amato, A, Attwell, D) **360**, 471
Neurotransmitter transporters: A tale of two families, *News and views*, (Amara, S G) **360**, 420
Synaptosomes. Neurotransmission: A retrograde step forward, *News and views*, (Nicholls, D G) **360**, 106
Synchrotron radiation. Concrete holds key to ESRF's opening, *News*, (Mundell, I) **358**, 182
Macromolecular crystallography with synchrotron radiation, *Book review by* Miller, A. **357**, 454
Synchrotron, Europe. Synchrotron beamlines open as plans are laid for repairs, *News*, (Biggin, S) **360**, 3
Synkaryotes. Neutral terms, *Scientific correspondence*, (Forterre, P) **355**, 305
Synthetic chemistry. Large anisotropic thermal conductivity in synthetic diamond films, *Letter to Nature*, (Graebner, J E, Jin, S, Kammlott, G W, Herb, J A, Gardinier, C F) **359**, 401
Synthetic peptides. A new type of synthetic peptide library for identifying ligand-binding activity: Correction, *Letter to Nature*, (Lam, K S, Salmon, S E, Hersh, E M, Hruby, V J, Kazmeierski, W M, Knapp, R J) **358**, 434
Systematic biology. UK systematic biology: Peers slam peer review, *News*, (Gee, H) **355**, 488
T cells. Autoimmune diabetes as a consequence of locally produced interleukin-2, *Letter to Nature*, (Heath, W R, Allison, J, Hoffmann, M W, Schönrich, G, Hämmerling, G, Arnold, B, Miller, J F A P) **359**, 547
T cells. Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis, *Article*, (Watanabe-Fukunaga, R, Brannan, C I, Copeland, N G, Jenkins, N A, Nagata, S) **356**, 314
Signal for T-cell differentiation to a CD4 cell lineage is delivered by CD4 transmembrane region and/or cytoplasmic tail, *Letter to Nature*, (Seong, R H, Chamberlain, J W, Parnes, J R) **356**, 718
Processing pathways for presentation of cytosolic antigen to MHC class II-restricted T cells, *Letter to Nature*, (Malnati, M S, Marti, M, LaVaute, T, Jaraquemada, D, Biddison, W, DeMars, R, Long, E O) **357**, 702
Positive selection of T-lymphocytes induced by intrathymic injection of a thymic epithelial cell line, *Letter to Nature*, (Vukmanovic, S, Grandea III, A G, Faas, S J, Knowles, B B, Bevan, M J) **359**, 729
Lifespan of human lymphocyte subsets defined by CD45 isoforms, *Letter to Nature*, (Michie, C A, McLean, A, Alcock, C, Beverley, P C L) **360**, 264
A cell line that can induce thymocyte positive selection, *Letter to Nature*, (Hugo, P, Kappler, J W, Godfrey, D I, Marrack, P C) **360**, 679
Death by superantigen, *Scientific correspondence*, (Ochi, A, Kawabi, Y) **355**, 211
Death by superantigen: Reply, *Scientific correspondence*, (Cohen, J J, Duke, R C, Sellins, K S) **355**, 212
Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins, *Letter to Nature*, (Nicholas, J, Cameron, K R, Honess, R W) **355**, 362
Mapping T-cell receptor-peptide contacts by variant peptide

immunization of single chain-chain transgenics, *Article*, (Jorgensen, J L, Esser, U, de St Groth, B F, Reay, P A, Davis, M M) **355,** 224

T-cell activation. CD28-mediated signalling co-stimulates murine T cells and prevents induction of anergy in T-cell clones, *Letter to Nature*, (Harding, F A, McArthur, J G, Gross, J A, Raulet, D H, Allison, J P) **356,** 607

MHC class II interaction with CD4 mediated by a region analogous to the MHC class I binding site for CD8, *Letter to Nature*, (König, R, Huang, L-Y, Germain, R N) **356,** 796

Identification of a CD4 binding site on the β domain of HLA-DR molecules, *Letter to Nature*, (Cammarota, G, Scheirle, A, Takacs, B, Doran, D M, Knorr, R, Bannwarth, W, Guardiola, J, Sinigaglia, F) **356,** 799

Nuclear factor of activated T cells contains Fos and Jun, *Letter to Nature*, (Jain, J, McCaffrey, P G, Valge-Archer, V E, Rao, A) **356,** 801

Tetrameric cell-surface MHC class I molecules, *Letter to Nature*, (Krishna, S, Benaroch, P, Pillai, S) **357,** 164

FK-506- and CsA-sensitive activation of the interleukin-2 promoter by calcineurin, *Letter to Nature*, (O'Keefe, S J, Tamura, J, Kincaid, R L, Tocci, M J, O'Neill, E A) **357,** 692

Identification of calcineurin as a key signalling enzyme in T-lymphocyte activation, *Letter to Nature*, (Clipstone, N A, Crabtree, G R) **357,** 695

Association of tyrosine kinase $p56^{lck}$ with CD4 inhibits the induction of growth through the αß T-cell receptor, *Letter to Nature*, (Haughn, L, Gratton, S, Caron, L, Sékaly, R-P, Veillette, A, Julius, M) **358,** 328

Cytotoxic T-lymphocyte activation involves a cascade of signalling and adhesion events, *Letter to Nature*, (O'Rourke, A M, Mescher, M F) **358,** 253

Calcineurin mediates inhibition by FK506 and cyclosporin of recovery from α-factor arrest in yeast, *Letter to Nature*, (Foor, F, Parent, S A, Morin, N, Dahl, A M, Ramadan, N, Chrebet, G, Bostian, K A, Nielsen, J B) **360,** 682

T-cell autoimmunity. Spreading of T-cell autoimmunity to cryptic determinants of an autoantigen, *Letter to Nature*, (Lehmann, P V, Forsthuber, T, Miller, A, Sercarz, E E) **358,** 155

T-cell complex. Superantigen implicated in dependence of HIV-1 replication in T cells on TCR Vß expression, *Letter to Nature*, (Laurence, J, Hodtsev, A S, Posnett, D N) **358,** 255

T-cell development. Profound block in thymocyte development in mice lacking $p56^{lck}$, *Letter to Nature*, (Molina, T J, Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) **357,** 161

T-cell receptor. Specific low-affinity recognition of major histocompatibility complex plus peptide by soluble T-cell receptor, *Letter to Nature*, (Weber, S, Traunecker, A, Oliveri, F, Gerhard, W, Karjalainen, K) **356,** 793

T-cell receptors: At grips with interactions, *News and views*, (Williams, A F, Beyers, A D) **356,** 746

An endoplasmic reticulum retention signal in the CD3 chain of the T-cell receptor, *Letter to Nature*, (Mallabiabarrena, A, Fresno, M, Alarcón, B) **357,** 593

Cytotoxic T-lymphocyte activation involves a cascade of signalling and adhesion events, *Letter to Nature*, (O'Rourke, A M, Mescher, M F) **358,** 253

Mutations in T-cell antigen receptor genes α and ß block thymocyte development at different stages, *Article*, (Mombaerts, P, Clarke, A R, Rudnicki, M A, Iacomini, J, Itohara, S, Lafaille, J j, Wang, L, Ichikawa, Y, Jaenisch, R, Hooper, M L, Tonegawa, S) **360,** 225

Erratum: Mutations in T-cell antigen receptor genes α and ß block thymocyte development at different stages, *Article*, (Mombaerts, P, Clarke, A R, Rudnicki, M A, Iacomini, J, Itohara, S, Lafaille, J J, Wang, L, Ichikawa, Y, Jaenisch, R, Hooper, M L, Tonegawa, S) **360,** 491

Enterotoxin residues determining T-cell receptor Vß binding specificity, *Letter to Nature*, (Irwin, M J, Hudson, K R, Fraser, J D, Gascoigne, N R J) **359,** 841

T-cell selection. Extrathymic positive selection of αß T-cell precursors in nude mice, *Letter to Nature*, (Speiser, D E, Stübi, U, Zinkernagel, R M) **355,** 170

T-cell selection. Inefficient positive selection of T cells directed by haematopoietic cells, *Letter to Nature*, (Bix, M, Raulet, D) **359,** 330

T-cell tolerance. Infection breaks T-cell tolerance, *Letter to Nature*, (Röcken, M, Urban, J F, Shevach, E M) **359,** 79

t-complex polypeptide-1. Protein folding: Cytosolic chaperonin confirmed, *News and views*, (Ellis, J) **358,** 191

TCP1 complex is a molecular chaperone in tubulin biogenesis, *Letter to Nature*, (Yaffe, M B, Farr, G W, Miklos, D, Horwich, A L, Sternlicht, M L, Sternlicht, H) **358,** 245

T-complex polypeptide-1 is a subunit of heteromeric particle in the eukaryotic cytosol, *Letter to Nature*, (Lewis, V A, Hynes, G M, Zheng, D, Saibil, H, Willison, K) **358,** 249

T4 lysozyme. A cavity-containing mutant of T4 lysozyme is stabilized by buried benzene, *Letter to Nature*, (Eriksson, A E, Baase, W A, Wozniak, J A, Matthews, B W) **355,** 371

Tamm, Igor. I E Tamm: Selected papers, *Book review by* Charap, J M. **358,** 201

Taphonomy. Taphonomy: Releasing the data locked in the fossil record, *Book review by* Palmer, D. **357,** 453

Taste. Gustducin is a taste-cell-specific G protein closely related to the transducins, *Article*, (McLaughlin, S K, McKinnon, P J, Margolskee, R F) **357,** 563

Tat protein. Alterations in a yeast protein resembling HIV-*Tat*-binding protein relieve requirement for an acidic activation domain in GAL4, *Letter to Nature*, (Swaffield, J C, Bromberg, J F, Johnston, S A) **357,** 698; *Erratum*, **360,** 768

New human gene encoding a positive modulator of HIV Tat-mediated transactivation, *Letter to Nature*, (Shibuya, H, Irie, K, Ninomiya-Tsuji, J, Goebl, M, Taniguchi, T, Matsumoto, K) **357,** 700

TATA-box binding protein. Crystal structure of TFIID TATA-box binding protein, *Article*, (Nikolov, D B, Hu, S-H, Lin, J, Gasch, A, Hoffman, A, Horikoshi, M, Chua, N-H, Roeder, R G, Burley, S K) **360,** 40

Transcription: Riding high on the TATA box, *News and views*, (Greenblatt, J) **360,** 16

Taxonomy. Counting on taxonomy, *Correspondence*, (Bello, E, Becerra, J M, Valdecasas, A G) **357,** 531

UK systematic biology: Peers slam peer review, *News*, (Gee, H) **355,** 488

Taxonomy of taxonomists, *Commentary*, (Gaston, K J, May, R M) **356,** 281

Endangered species and the law, *Commentary*, (Geist, V) **357,** 274

Diversity and evolution of land plants, *Book review by* Moore, P D. **359,** 205

Lost and found, *News and views*, **355,** 209

Technology transfer. Technology transfer: British Technology Group staff win fight for control, *News*, (Aldhous, P) **356,** 94

Technology transfer: Pentagon keeps its fruits to itself, *News*, (Mervis, J) **356,** 4

NIH scientists chafe under ethics rules on industry ties, *News*, (Anderson, C) **357,** 180

Transfer of technology is booming business as NIH asks companies to help themselves, *News*, (Gershon, D) **359,** 187

Technology: Staff buyout for BTG?, *News*, (Aldhous, P) **355,** 102

Technology, Australia. Australia: Science city launched, *News*, (Lawson, M) **356,** 5

Technology, Europe. Eureka welcomes first East European member, *News*, (Bakewell, D) **357,** 353

Technology dodging the cuts, *News*, **360,** 526

Europe's false star, *Opinion*, **355,** 660

Technology, South Korea. Technology policy: South Korea commits funds, *News*, (Swinbanks, D) **355,** 193

Technology, UK. UK science policy: Parties discover technology, *News*, (Aldhous, P) **355,** 757

British Technology Group: Will US rival strip BTG bare?, *News*, (Aldhous, P) **355,** 485

Technology, US. The woods are alive with high technology, *Commentary*, **357,** 630

San Antonio aims for spot on high-technology map, *Commentary*, (Gershon, D) **357,** 638

Route 128: Lessons from Boston's high-tech community, *Book review by* Greenberg, D S. **358,** 462

Clinton plans offer hints of technology agenda, *News*, (Anderson, C) **360,** 288

British Technology Group: Will US rival strip BTG bare?, *News*, (Aldhous, P) **355,** 485

The fail-safe society: Community defiance and the end of American technological optimism, *Book review by* Aldhous, P. **355,** 124

Tectonics. A shear-strain anomaly following the Loma Prieta earthquake, *Letter to Nature*, (Gwyther, R L, Gladwin, M T, Hart, R H G) **356,** 142

Causes of recent Himalayan uplift deduced from deposited patterns in the Ganges basin, *Letter to Nature*, (Burbank, D W) **357,** 680

Raising the roof of the world, *News and views*, (Ball, P) **357,** 642

Earthquakes: Three's a crowd in California, *News and views*, (Michael, A) **357,** 111

Tilt and northward offset of Cordilleran batholiths resolved using igneous barometry, *Letter to Nature*, (Ague, J J, Brandon, M T) **360,** 146

Earthquakes: The exception is the rule, *News and views*, (Houston, H) **360,** 111

Tectonic forcing of late Cenozoic climate, *Review article*, (Raymo, M E, Ruddiman, W F) **359,** 117

Excitation of true polar wander by subduction, *Letter to Nature*, (Spada, G, Ricard, Y, Sabadini, R) **360,** 452

Geomorphology: Characteristic size of relief, *News and views*, (Burbank, D W) **359,** 483

Geophysics: Preserving a sense of direction, *News and views*, (Dickman, S R) **360,** 421

Tektites. Alteration of tektite to form weathering products, *Letter to Nature*, (Mazer, J J, Bates, J K, Bradley, J P, Bradley, C R, Stevenson, C M) **357,** 573

Telecommunications. NTT to unhook mobile phones, *News*, (Swinbanks, D) **357,** 529

Computer network rumours prove hard to kill, *News*, (Anderson, C) **357,** 528

Telephone roundabouts, *Opinion*, **360,** 92

Who pulled the plug?, *News*, (Swinbanks, D) **356,** 551

Computer networks: NSF pays price for success, *News*, (Anderson, C) **356,** 551

Infinity denied, *Opinion*, **358,** 440

Talking to Europe, *News*, **360,** 527

Infinity denied, *Opinion*, **358,** 440

Talking telephone numbers, *Correspondence*, (Littler, J, Blechner, M) **359,** 665

Telescopes. Gemini telescope project shifts into high gear, *News*, (Mervis, J) **357,** 430

Unusual telescopes, *Book review by* Hanbury Brown, R. **356,** 205

Temperature records. Oscillating global temperature, *Scientific correspondence*, (Tsonis, A A, Elsner, J B) **356,** 751

Enhanced ventilation of the North Atlantic subtropical gyre thermocline during the last glaciation, *Letter to Nature*, (Slowey, N C, Curry, W B) **358,** 665

Temperature oscillations, *Scientific correspondence*, (Allen, M R, Read, P L, Smith, L A) **359,** 679

Terpenes, atmospheric. More questions on forest decline, *Scientific correspondence*, (Simonaitis, R, Olszyna, K J, Meagher, J F) **355,** 402

Terrestrial ecosystems. Terrestrial ecosystems through time: Evolutionary paleoecology of terrestrial plants and animals, *Book review by* Palmer, D. **360,** 426

Territory. Importance of habitat saturation and territory quality for evolution of cooperative breeding in the Seychelles warbler, *Letter to Nature*, (Komdeur, J) **358,** 493; *Erratum*, **360,** 768

Tesla, Nikola. Nikola Tesla, *Correspondence*, (Kovach, Y) **355,** 292

Test-ban treaty. Test-ban treaty, *Correspondence*, (Fischer, D) **360,** 9

Tetanus toxin. Tetanus and botulinum-B neurotoxins block neurotransmitter release by proteolytic cleavage of synaptobrevin, *Letter to Nature*, (Schiavo, G, Benfenati, F, Poulain, B, Rossetto, O, Polverino de Laureto, P, DasGupta, B R, Montecucco, C) **359,** 832

Tetrapyrroles. Structure of porphobilinogen deaminase reveals a flexible multidomain polymerase with a single catalytic site, *Article*, (Louie, G V, Brownlie, P D, Lambert, R, Cooper, J B, Blundell, T L, Wood, S P, Warren, M J, Woodcock, S C, Jordan, P M) **359,** 33

Texas, science. Optimistic, independent, aggressive: Texas shoots for the top in science, *Commentary*, (Culliton, B J) **357,** 623

Large, oil-soaked endowment helps state universities weather current hard times, *Commentary*, (Lindley, D) **357,** 625

Biotechnology leads the way as state moves beyond ground-based economy, *Commentary*, (Gershon, D) **357,** 626

SW medical center, famous and favoured, is thriving, *Commentary*, (Culliton, B J) **357,** 627

Houston breeds biotechnology hot shots, *Commentary*, (Gershon, D) **357,** 629

New biotechnology institute at Rice promotes interdisciplinary studies, *Commentary*, (Gershon, D) **357,** 630

The woods are alive with high technology, *Commentary*, **357,** 630

San Antonio fills research park by making offers that scientists cannot refuse, *Commentary*, (Culliton, B J) **357,** 631

Supercollider creates a field of dreams for luring high-energy physicists to Texas, *Commentary*, (Mervis, J) **357,** 632

Four who have come, *Commentary*, (Mervis, J) **357,** 633

Texas A&M struggles to gain the respect that its researchers have already won, *Commentary*, (Anderson, C) **357,** 634

A&M's plunge into biotechnology has everything - except staff, *Commentary*, (Anderson, C) **357,** 635

Out, out brief candle.., *Commentary*, (Lindley, D) **357,** 635

Energy researchers fight for survival, *Commentary*, (Jones, K) **357,** 636

Space science in Texas means basic research as well as support for manned flights, *Commentary*, (Oberg, A) **357,** 637

San Antonio aims for spot on high-technology map, *Commentary*, (Gershon, D) **357,** 638

Text analysis. Text analysis, *Commentary*, (Hayes, D P) **356,** 740

Text readability, *Correspondence*, (Turner, D L) **357,** 622

Texture, cosmology. Cosmic undoing, *News and views*, **359,** 275

Thalassaemia. A single point mutation is the cause of the Greek form of hereditary persistance of fetal haemoglobin, *Letter to Nature*, (Berry, M, Grosveld, F, Dillon, N) **358,** 499

The Netherlands, research funding. Dutch shake up funding council, shift its emphasis, *News*, (Mundell, I) **360,** 6

Theophrastus. Enquiry into plants, on odours, on weather-signs (2 volumes); *De causis plantarum* (3 volumes), *Book review by* Temple, R. **359,** 489

Theophrastus of Eresus: Sources for his life, writings, thought and influence (2 volumes), *Book review by* Temple, R. **359,** 489

Theophrastus: His psychological, doxographical and scientific writings, *Book review by* Temple, R. **359,** 489

Theoretical biology. Evolutionary games and spatial chaos, *Letter to Nature*, (Nowak, M A, May, R M) **359,** 826

On prisoners and cells, *News and views*, (Sigmund, K) **359,** 774

Artificial Life: The Quest for a New Creation, *Book review by* Dawkins, R. **360,** 25

Theoretical chemistry. Chemical bonding: Fixing a molecular snapshot, *News and views*, (Fowler, P) **355,** 586

Theoretical physics. Six years of the fifth force, *Review article*, (Fischbach, E, Talmadge, C) **356,** 207

Numerical calculations of fast dynamos in smooth velocity fields with realistic diffusion, *Letter to Nature*, (Galloway, D J, Proctor, M R E) **356,** 691

Reopening the solar neutrino question, *News and views*, (Krauss, L M) **357,** 437

I E Tamm: Selected papers, *Book review by* Charap, J M. **358,** 201

The model for almost all seasons?, *News and views*, (Maddox, J) **359,** 669

Therapsids. By their teeth ye shall know them, *News and views*, (Gee, H) **360,** 529

Thermodynamics. Thermodynamics: Foundations and applications, *Book review by* Landsberg, P T. **356,** 28

A linear free energy relationship for crystalline solids and aqueous ions, *Letter to Nature*, (Sverjensky, D A, Molling, P A) **356,** 231

The dead-end elimination theorem and its use in protein side-chain positioning, *Letter to Nature*, (Desmet, J, De Maeyer, M, Hazes, B, Lasters, I) **356,** 539

Protein structure: New paths from dead ends, *News and views*, (Taylor, W) **356,** 478

Linear free energy relations for predicting dissolution rates of solids, *Letter to Nature*, (Sverjensky, D A) **358,** 310

Geochemistry: A better mousetrap, *News and views*, (Casey, W H) **358,** 283

Direct measurement of potassium-promoted change in heat of adsorption energy of CO on Ni[100], *Letter to Nature*, (Al-Sarraf, N, Stuckless, J T, King, D A) **360,** 243

Surface science: A little heat goes a long way, *News and views*, (Yates, J T Jr) **360,** 211

Unmixing of hot inorganic melts, *Scientific correspondence*, (Navrotsky, A) **360,** 306

Thermohaline circulation. Sudden changes in North Atlantic circulation during the last deglaciation, *Article*, (Lehman, S J, Keigwin, L D) **356,** 757

Water mass exchange between the North Atlantic and the Norwegian Sea during the past 28,000 years, *Letter to Nature*, (Veum, T, Jansen, E, Arnold, M, Beyer, I, Duplessy, J-C) **356,** 783

Climate: Deep ocean circulation puzzle, *News and views*, (Zahn, R) **356,** 744

Deep circulation revisited, *Scientific correspondence*, (Lehmann, S J, Keigwin, L D) **358,** 197

Cooling and freshening of the subpolar North Atlantic Ocean since the 1960s, *Letter to Nature*, (Read, J F, Gould, W J) **360,** 55

Ocean circulation: Global warming, ocean cooling, *News and views*, (Clarke, A) **360,** 17

Thermoregulation. Physiological and behavioural thermoregulation in bigeye tuna (*Thunnus obesus*), *Letter to Nature*, (Holland, K N, Brill, R W, Chang, R K C, Sibert, J R, Fournier, D A) **358,** 410

A rete in the right whale, *Scientific correspondence*, (Ford, T J Jr, Kraus, S D) **359,** 680

Theropods. A new link between theropods and birds from the Cretaceous of Mongolia, *Letter to Nature*, (Elzanowski, A, Wellnhofer, P) **359,** 821

Thin films. High-quality superconducting thin films of Bi,Sr,Ca,Cu,O, grown *in situ* by metalorganic CVD, *Letter to Nature*, (Endo, K, Yamasaki, H, Misawa, S, Yoshida, S, Kajimura, K) **355,** 327

The materials science of thin films, *Book review by* Thompson, C V. **357,** 292

Thomson, Elihu. Innovation as a social process: Elihu Thomson and the rise of General Electric 1870-1900, *Book review by* Hackmann, W. **356,** 631

Thrombin. Enhancing protein C interaction with thrombin results in a clot-activated anticoagulant, *Letter to Nature*, (Richardson, M A, Gerlitz, B, Grinnell, B W) **360,** 261

Selection of single-stranded DNA molecules that bind and inhibit human thrombin, *Letter to Nature*, (Bock, L C *et al*) **355,** 564

Thrombosis. Leukocyte accumulation promoting fibrin deposition is mediated in vivo by P-selectin on adherent platelets, *Letter to Nature*, (Palabrica, T, Lobb, R, Furie, B C, Aronovitz, M, Benjamin, C, Hsu, Y-M, Sajer, S A, Furie, B) **359,** 848

Enhancing protein C interaction with thrombin results in a clot-activated anticoagulant, *Letter to Nature*, (Richardson, M A, Gerlitz, B, Grinnell, B W) **360,** 261

Blood coagulation and fibrinolysis: An international journal in haemostasis and thrombosis, *Journal review*, (Heptinstall, S, Francis, J L, Gordon, S G) **359,** 447

Thylacines. Last resting place of a thylacine, *Scientific correspondence*, (Paddle, R N) **360,** 215

Thymocyte development. Profound block in thymocyte development in mice lacking $p56^{lck}$, *Letter to Nature*, (Molina, T J, Kishihara, K, Siderovski, D P, van Ewijk, W, Narendran, A, Timms, E, Wakeham, A, Paige, C J, Hartmann, K-U, Veillette, A, Davidson, D, Mak, T W) **357,** 161

Thyroid cancer. Thyroid cancer incidence, *Scientific correspondence*, (Ron, E, Lubin, J, Schneider, A B) **360,** 113

Childhood thyroid cancer in Belarus, *Scientific correspondence*, (Beral, V, Reeves, G, Shigematsu, I, Thiessen, J W) **359,** 680

Thyroid cancer after Chernobyl, *Scientific correspondence*, (Kazakov, V S, Demidchik, E P, Astakhova, L N, Braverstock, K, Egloff, B, Pinchera, A, Ruchti, C, Williams, D) **359,** 21

Thyroid hormone receptor. Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature*, (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441

Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature*, (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446

Time travel. Gravitation: Time travel on a string, *News and views*, (Allen, B, Simon, J) **357,** 19

Time machine from dust, *Scientific correspondence*, (Bonnor, W B) **358,** 288

Time, and man. Space, time and man: A prehistorian's view, *Book review by* Gingerich, O. **358,** 381

Time-series analysis. How predictable is chaos?, *Scientific correspondence*, (Cazelles, B, Ferriere, R H) **355,** 25

How predictable is chaos? Reply, *Scientific correspondence*, (Sugihara, G, May, R M) **355,** 26

Temperature time-series?, *Scientific correspondence*, (Allen, M R, Read, P L, Smith, L A) **355,** 686

Tissue preservation. Coelacanth tissue bank, *Correspondence*, (Fricke, H) **357,** 105

Tissue-specific extinction. Molecular biology: Extinction by indirect means, *News and views*, (Weiss, M C) **355,** 22

Titan. In season, *News and views*, **358,** 110

Tokamaks. Japan fusion: A steady course towards the next tokamak, *News*, (Swinbanks, D) **356,** 468

Tolerance, T cells. Infection breaks T-cell tolerance, *Letter to Nature*, (Röcken, M, Urban, J F, Shevach, E M) **359,** 79

Topography. Geomorphology: Characteristic size of relief, *News and views*, (Burbank, D W) **359,** 483

Toshiba. Toshiba to help US students think about technology, *News*, (Mervis, J) **359,** 351

Toxic chemicals. Biodegradation of metal citrate complexes and implications for toxic-metal mobility, *Letter to Nature*, (Francis, A J, Dodge, C J, Gillow, J B) **356,** 140

The British Medical Association guide to pesticides and health, *Book review by* Hay, A. **357,** 653

Handbook of pesticide toxicology: Vol. 1, general principles; Vol. 2, classes of pesticides; Vol. 3, classes of pesticides, *Book review by* Hay, A. **357,** 653

Fate of pesticides and chemicals in the environment, *Book review by* Hay, A. **357,** 653

US rules hinder research on disposal of PCBs, *News*, (Watson, T) **359,** 6

Toxicity testing. Alternative toxicity tests, *Correspondence*, (Spielmann, H) **357,** 432

Toxicology. Toxicology methods, *Journal review*, (Connors, T A, Gad, S C) **359,** 449

Toxins. P-type calcium channels blocked by the spider toxin omega-Aga-IVA, *Letter to Nature*, (Mintz, I M, Venema, V J, Swiderek, K M, Lee, T D, Bean, B P, Adams, M E) **355,** 827

Progress by poisoning, *News and views*, (Cutler, D) **359,** 773

Dead good, *News and views*, **359,** 779

Coping with toxic pulses, *Correspondence*, (Brown, E G, McCallum, A D) **360,** 9

Fatal attraction to cyanobacteria?, *Scientific correspondence*, (Codd, G A, Edwards, C, Beattle, K A, Barr, W M, Gunn, G J) **359,** 110

More on legumes, *Correspondence*, (Bhat, R V, Raghuram, T C) **360,** 505

Toxoplasma gondii. Virulent strains of *Toxoplasma gondii* comprise a single clonal lincage, *Letter to Nature*, (Sibley, L D, Boothroyd, J C) **359,** 82

Trace metal cycles. Lead isotope evidence for young trace element enrichment in the oceanic upper mantle, *Letter to Nature*, (Halliday, A N, Davies, G R, Lee, D-C, Tommasini, S, Paslick, C R, Fitton, J G, James, D E) **359,** 623

Trace metals, mercury. Increase in global atmospheric concentrations of mercury inferred from measurements over the Atlantic Ocean, *Letter to Nature*, (Slemr, F, Langer, E) **355,** 434

Trade restrictions. Freer trade in US oranges helps Japanese researchers, *News*, (Swinbanks, D) **360,** 287

Trade, US. American free trade, *Opinion*, **356,** 92

No politics please, *Correspondence*, (Cumming, P) **357,** 432

Trade. An obdurate recession, *Opinion*, **355,** 378

TRAM protein. A protein of the endoplasmic reticulum involved early in polypeptide translocation, *Article*, (Görlich, D, Hartmann, E, Prehn, S, Rapoport, T A) **357,** 47

Protein translocation: Travelling by TRAM, *News and views*, (Walter, P) **357,** 22

Transcription factors. Independent binding of the retinoblastoma protein and p107 to the transcription factor E2F, *Letter to Nature*, (Cao, L, Faha, B, Dembski, M, Tsai, L-H, Harlow, E, Dyson, N) **355,** 176

Phosphorylation of transcription factor $p62^{TCF}$ by MAP kinase stimulates ternary complex formation at *c-fos* promoter, *Letter to Nature*, (Gille, H, Sharrocks, A D, Shaw, P E) **358,** 414

Specific binding of the transcription factor sigma-54 to promoter DNA, *Letter to Nature*, (Buck, M, Cannon, W) **358,** 422

Anatomy of a transcription factor important for the Start of the cell cycle in *Saccharomyces cerevisiae*, *Letter to Nature*, (Primig, M, Sockanathan, S, Auer, H, Nasmyth, K) **358,** 593

Candidate proto-oncogene *bcl-3* encodes a subunit-specific inhibitor of transcription factor $NF\text{-}_{\kappa}B$, *Letter to Nature*, (Wulczyn, F G, Naumann, M, Scheidereit, C) **358,** 597

Human general transcription factor IIH phosphorylates the C-terminal domain of RNA polymerase II, *Article*, (Lu, H, Zawel, L, Fisher, L, Egly, J-M, Reinberg, D) **358,** 641

Gene regulation: Transcriptional transgressions, *News and views*, (Green, M R) **357,** 364

Transcription: The tell-tail trigger, *News and views*, (Peterson, M G, Tjian, R) **358,** 620

Pit-1-dependent expression of the receptor for growth hormone releasing factor mediates pituitary cell growth, *Letter to Nature*, (Lin, C, Lin, S-C, Chang, C-P, Rosenfeld, M G) **360,** 765

A transcriptional hierarchy involved in mammalian cell-type specification, *Letter to Nature*, (Kuo, C J, Conley, P B, Chen, L, Sladek, F M, Darnell, J E, Crabtree, G R) **355,** 457

Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors, *Letter to Nature*, (Zhang, X-k, Hoffmann, B, Tran, P B-V, Graupner, G, Pfahl, M) **355,** 441

Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D_3 signalling, *Letter to Nature*, (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446

Characterization of cDNA for the large subunit of the transcription initiation factor TFIIF, *Letter to Nature*, (Aso, T, Vasavada, A, Kawaguchi, T, Germino, F J, Ganguly, S, Kitajima, S, Weissman, S M, Yasukochi, Y) **355,** 461

A cDNA encoding RAP74, a general initiation factor for transcription by RNA polymerase II, *Letter to Nature*, (Finkelstein, A, Kostrub, C F, Li, J, Chavez, D P, Wang, B Q, Fang, S M, Greenblatt, J, Burton, Z F) **355,** 464

Allosteric underwinding of DNA is a critical step in postive control of transcription by Hg-MerR, *Letter to Nature*, (Ansari, A Z, Chael, M L, O'Halloran, T V) **355,** 87

DNA twisting and the effects of non-contacted bases on affinity of 434 operator for 434 repressor, *Letter to Nature*, (Koudelka, G B, Carlson, P) **355,** 89

Transcription, regulation. Alterations in a yeast protein resembling HIV-*Tat*-binding protein relieve requirement for an acidic activation domain in GAL4, *Letter to Nature*, (Swaffield, J C, Bromberg, J F, Johnston, S A) **357,** 698; *Erratum*, **360,** 768

Transcriptional regulation: A closer look at E2F, *News and views*, (Nevins, J R) **358,** 375

Transcriptional activation by the human c-Myc oncoprotein in yeast requires interaction with Max, *Letter to Nature*, (Amati, B, Dalton, S, Brooks, M W, Littlewood, T D, Evan, G I, Land, H) **359,** 423

Myc and Max proteins possess distinct transcriptional activities, *Letter to Nature*, (Kretzner, L, Blackwood, E M, Eisenman, R N) **359,** 426

Transcription factors: DNA recognition, warts and all, *News and views*, (Kuriyan, J, Burley, S K) **359,** 476

Crystal structure at 1.7 Å of the bovine papillomavirus-1 E2 DNA-binding domain bound to its DNA target, *Article*, (Hegde, R S, Grossman, S R, Laimins, L A, Sigler, P B) **359,** 505

Transcription. Crystal structure of TFIID TATA-box binding protein, *Article*, (Nikolov, D B, Hu, S-H, Lin, J, Gasch, A, Hoffman, A, Horikoshi, M, Chua, N-H, Roeder, R G, Burley, S K) **360,** 40

Transcription: Riding high on the TATA box, *News and views*, (Greenblatt, J) **360,** 16

A meiotic gene conversion gradient opposite to the direction of transcription, *Letter to Nature*, (Malone, R E, Bullard, S, Lundquist, S, Kim, S, Tarkowski, T) **359,** 154

Chromatin as an essential part of the transcriptional mechanism, *Review article*, (Felsenfeld, G) **355,** 219

Transducin. Regulation of deactivation of photoreceptor G protein by its target enzyme and cGMP, *Letter to Nature*, (Arshavsky, V Y, Bownds, M D) **357,** 416

Lipid modification at the N terminus of photoreceptor G-protein α-subunit, *Letter to Nature*, (Kokame, K, Fukada, Y, Yoshizawa, T, Takao, T, Shimonishi, Y) **359,** 749

Visual differences, *News and views*, (Casey, P) **359,** 671

Transforming growth factors. An unusual feature revealed by the crystal structure at 2.2 Å resolution of human transforming growth factor-ß2, *Letter to Nature*, (Schlunegger, M P, Grütter, M G) **358,** 430

Targeted disruption of the mouse transforming growth factor - ß1 gene results in multifocal inflammatory disease, *Article*, (Shull, M M, Ormsby, I, Kier, A B, Pawlowski, S, Diebold, R J, Yin, M, Allen, R, Sidman, C, Proetzel, G, Calvin, D, Annunziata, N, Doetschman, T) **359,** 693

Natural inhibitor of transforming growth factor-ß protects against scarring in experimental kidney disease, *Letter to Nature*, (Border, W A, Noble, N A, Yamamoto, T, Harper, J R, Yamaguchi, Y, Pierschbacher, M D, Ruoslahti, E) **360,** 361

Transgenic animals. EC biotechnology policy: Progress on animal patents, *News*, (Aldhous, P) **355,** 382

Veterinary medicine: Molecular genetics arrives on the farm, *News and views*, (Womack, J E) **360,** 108

Mapping T-cell receptor-peptide contacts by variant peptide immunization of single chain-chain transgenics, *Article*, (Jorgensen, J L, Esser, U, de St Groth, B F, Reay, P A, Davis, M M) **355,** 224

Transition states. Chemical kinetics: Probing the transition state, *News and views*, (Smith, I W M) **358,** 279

Femtosecond laser control of a chemical reaction, *Letter to Nature*, (Potter, E D, Herek, J L, Pedersen, S, Liu, Q, Zewail, A H) **355,** 66

Transmembrane conductance regulator. Defective regulation of outwardly rectifying Cl channels by protein kinase A corrected by insertion of CFTR, *Letter to Nature*, (Egan, M, Flotte, T, Afione, S, Solow, R, Zeitlin, P L, Carter, B J, Guggino, W B) **358,** 581

Processing of mutant cystic fibrosis transmembrane conductance regulator is temperature-sensitive, *Letter to Nature*, (Denning, G M, Anderson, M P, Amara, J F, Marshall, J, Smith, A E, Welsh, M J) **358,** 761
Cystic fibrosis: A welcome animal model, *News and views*, (Collins, F S, Wilson, J M) **358,** 708

Transmissible gastroenteritis virus. Aminopeptidase N is a major receptor for the enteropathogenic coronavirus TGEV, *Letter to Nature*, (Delmas, B, Gelfi, J, L'Haridon, R, Vogel, L K, Sjöström, H, Norén, O, Laude, H) **357,** 417

Transport vesicles. Immuno-isolation of Sec7p-coated transport vesicles from the yeast secretory pathway, *Letter to Nature*, (Franzusoff, A, Lauzé, E, Howell, K E) **355,** 173

Transport, anomalous. Model of anomalous transport with backreacting localized perturbations, *Letter to Nature*, (Dubois, M A, Beaufumé, P, Fromont, B) **358,** 133

Transporter genes. Effect of polymorphism of an MHC-linked transporter on the peptides assembled in a class I molecule, *Article*, (Powis, S J, Deverson, E V, Coadwell, W J, Ciruela, A, Huskisson, N S, Smith, H, Butcher, G W, Howard, J C) **357,** 211
Antigen presentation: Flying the first class flag, *News and views*, (Parham, P) **357,** 193

Transporter proteins. Location of MHC-encoded transporters in the endoplasmic reticulum and *cis*-Golgi, *Letter to Nature*, (Kleijmeer, M J, Kelly, A, Geuze, H J, Slot, J W, Townsend, A, Trowsdale, J) **357,** 342

Tree disease. Oak tree mortality in Iberia, *Scientific correspondence*, (Brasier, C M) **360,** 539

Tree growth. Curved saplings at Mount St Helens, *Scientific correspondence*, (Bursik, M I, Woods, A W) **355,** 594

Tree-ring chronologies. Possible connection between surface winds, solar activity and the Earth's magnetic field, *Letter to Nature*, (Anderson, R Y) **353,** 51

Trees. Even larger organisms, *Scientific correspondence*, (Grant, M C, Mitton, J B, Linhart, Y B) **360,** 216

Tribology. Friction measurements on phase-separated thin films with a modified atomic force microscope, *Letter to Nature*, (Overney, R M, Meyer, E, Frommer, J, Brodbeck, D, Lüthi, R, Howald, L, Güntherodt, H-J, Fujihira, M, Takano, H, Gotoh, Y) **359,** 133

Tropomyosin. A new tropomyosin essential for cytokinesis in the fission yeast *S. pombe*, *Letter to Nature*, (Balasubramanian, M K, Helfman, D M, Hemmingsen, S M) **360,** 84
In a twist, *News and views*, **355,** 398

Troposphere. Structure of stratospheric intrusions into the troposphere, *Letter to Nature*, (Appenzeller C, Davies, H C) **358,** 570

Tropospheric ozone. Impact of aircraft and surface emissions of nitrogen oxides on tropospheric ozone and global warming, *Letter to Nature*, (Johnson, C, Henshaw, J, McInnes, G) **355,** 69

Trypanosoma cruzi. Chagas' disease: Defence cuts begin to bite, *News and views*, (Parham, P) **356,** 291
Susceptibility of B-microglobulin-deficient mice to *Trypanosoma cruzi* infection, *Letter to Nature*, (Tarleton, R L, Koller, B H, Latour, A, Postan, M) **356,** 338

Tryptophan, L. Search for contaminant in EMS outbreak goes slowly, *News*, (Swinbanks, D, Anderson, C) **358,** 96
Legal battles amid the science, *News*, (Anderson, C) **358,** 96

Tswett, M S. Homage to Tswett, *Correspondence*, (Jössang, P) **356,** 100

Tube worms. Shipwrecked tube worms, *Scientific correspondence*, (Dando, P R, Southward, A J, Southward, E C, Dixon, D R, Crawford, A, Crawford, M) **356,** 667

Tuberculosis. Drug-resistant TB may bring epidemic, *News and views*, (Cullhton, B J) **356,** 473
The catalase-peroxidase gene and isoniazid resistance of *Mycobacterium tuberculosis*, *Letter to Nature*, (Zhang, Y, Heym, B, Allen, B, Young, D, Cole, S) **358,** 591
Tuberculosis: Back to a frightening future, *News and views*, (Bloom, B R) **358,** 538
Tackling TB, *News and views*, **357,** 114

Tubulin. Protein folding: Cytosolic chaperonin confirmed, *News and views*, (Ellis, J) **358,** 191
TCP1 complex is a molecular chaperone in tubulin biogenesis, *Letter to Nature*, (Yaffe, M B, Farr, G W, Miklos, D, Horwich, A L, Sternlicht, M L, Sternlicht, H) **358,** 245
Stabilization of sea urchin flagellar microtubules by histone H1, *Article*, (Multigner, L, Gagnon, J, Van Dorsselaer, A, Job, D) **360,** 33
β-Tubulin is a centrosomal protein required for cell cycle-dependent microtubule nucleation, *Letter to Nature*, (Joshi, H C, Palacios, M J, McNamara, L, Cleveland, D W) **356,** 80

Tumorigenesis. Amplification of a gene encoding a p53-associated protein in human sarcomas, *Letter to Nature*, (Oliner, J D, Kinzler, K W, Meltzer, P S, George, D L, Vogelstein, B) **358,** 80
Wild-type p53 activates transcription *in vitro*, *Letter to Nature*, (Farmer, G, Bargonetti, J, Zhu, H, Friedman, P, Prywes, R, Prives, C) **358,** 83
Tumorigenesis: Suppression with a difference, *News and views*, (Clemens, M) **360,** 210
APC mutations occur early during colorectal tumorigenesis, *Letter to Nature*, (Powell, S M, Zilz, N, Beazer-Barclay, Y, Bryan, T M, Hamilton, S R, Thibodeau, S N, Vogelstein, B, Kinzler, K W) **359,** 235

Tumour angiogenesis. Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo, *Letter to Nature*, (Plate, K H, Breier, G, Weich, H A, Risau, W) **359,** 845

Tumour necrosis factor. Tumour necrosis factor α restores granulomas and induces parasite egg-laying in schistosome-infected SCID mice, *Letter to Nature*, (Amiri, P, Locksley, R M, Parslow, T G, Sadick, M, Rector, E, Ritter, D, McKerrow, J H) **356,** 604
Schistosomiasis: Parasitizing the cytokine system, *News and views*, (Sher, A) **356,** 565
Coley's toxins in perspective, *Commentary*, (Starnes, C O) **357,** 11
Coley's vaccine and TNF therapy, *Scientific correspondence*, (Brouckaert, P G G, Fiers, W, Lejeune, F J) **358,** 630
GM-CSF and TNF-α cooperate in the generation of dendritic Langerhans cells, *Letter to Nature*, (Caux, C, Dezutter-Dambuyant, C, Schmitt, D, Banchereau, J) **360,** 258

Tumour research. Clonal expansion of p53 mutant cells is associated with brain tumour progression, *Letter to Nature*, (Sidransky, D, Mikkelsen, T, Schwechheimer, K, Rosenblum, M L, Cavanee, W, Vogelstein, B) **355,** 846
Immunology: A sense of something missing, *News and views*, (Raulet, D H) **358,** 21

Tumour suppressor genes. Mice deficient for p53 are developmentally normal but susceptible to spontaneous tumours, *Article*, (Donehower, L A, Harvey, M, Slagle, B L, McArthur, M J, Montgomery, C A, Butel, J S, Bradley, A) **356,** 215
α-Inhibin is a tumour-suppressor gene with gonadal specificity in mice, *Article*, (Matzuk, M M, Finegold, M J, Su, J-G J, Hsueh, A J W, Bradley, A) **360,** 313
APC mutations occur early during colorectal tumorigenesis, *Letter to Nature*, (Powell, S M, Zilz, N, Beazer-Barclay, Y, Bryan, T M, Hamilton, S R, Thibodeau, S N, Vogelstein, B, Kinzler, K W) **359,** 235
Retinoblastoma: For our eyes only, *News and views*, (Harlow, E) **359,** 270
Mice deficient for Rb are nonviable and show defects in neurogenesis and haematopoiesis, *Article*, (Lee, E Y-H P, Chang, C-Y, Hu, N, Wang, Y-C J, Lai, C-C, Herrup, K, Lee, W-H, Bradley, A) **359,** 288
Effects of an *Rb* mutation in the mouse, *Article*, (Jacks, T, Fazeli, A, Schmitt, E M, Bronson, R T, Goodell, M A, Weinberg, R A) **359,** 295
Requirement for a functional *Rb-1* gene in murine development, *Letter to Nature*, (Clarke, A R, Robanus Maandag, E, van Roon, M, van der Lugt, N M T, van der Valk, M, Hooper, M L, Berns, A, te Riele, H) **359,** 328
Cloning and characterization of a gene that regulates cell adhesion, *Letter to Nature*, (Pullman, W E, Bodmer, W F) **356,** 529

Tumour viruses. Superantigens: Playing upon both sides, *News and views*, (Esser, U, Parham, P) **359,** 19

Tumour-suppressor proteins. Cancer: p53, guardian of the genome, *News and views*, (Lane, D P) **358,** 15
Checkpoint policing by p53, *Scientific correspondence*, (Carr, A M, Green, M H L, Lehmann, A R, Lane, D P) **359,** 486

Tumours. Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature*, (Goodrich, D W, Lee, W-H) **360,** 177
Gene fusion with an ETS DNA-binding domain caused by chromosome translocation in human tumours, *Letter to Nature*, (Delattre, O, Zucman, J, Plougastel, B, Desmaze, C, Melot, T, Peter, M, Kovar, H, Joubert, I, de Jong, P, Rouleau, G, Aurias, A, Thomas, G) **359,** 162
Erratum: Abrogation by *c-myc* of G1 phase arrest induced by *RB* protein but not by p53, *Letter to Nature*, (Goodrich, D W, Lee, W-H) **360,** 491

Tungsten disulphide. Polyhedral and cylindrical structures of tungsten disulphide, *Letter to Nature*, (Tenne, R, Margulis, L, Genut, M, Hodes, G) **360,** 444

Turbulence, galactic plasma. Distribution of plasma turbulence in our Galaxy derived from radio scintillation maps, *Letter to Nature*, (Hajivassiliou, C A) **355,** 232

Turin Shroud. Misunderstanding, *Correspondence*, (Busson, P) **355,** 490

Two-level systems. Optical modification of a single impurity molecule in a solid, *Letter to Nature*, (Basché, Th, Moerner, W E) **355,** 335

Tyrosine kinases Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, *Letter to Nature*, (Bustelo, X R, Ledbetter, J A, Barbacid, M) **356,** 68
Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, *Letter to Nature*, (Margolis, B, Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) **356,** 71
Proto-*vav* and gene expression, *Scientific correspondence*, (Boguski, M S, Bairoch, A, Attwood, T K, Michaels, G) **358,** 113
Association of tyrosine kinase $p56^{lck}$ with CD4 inhibits the induction of growth through the αß T-cell receptor, *Letter to Nature*, (Haughn, L, Gratton, S, Caron, L, Sékaly, R-P, Veillette, A, Julius, M) **358,** 328
Crystal structure of the phosphotyrosine recognition domain SH2 of v-*src* complexed with tyrosine-phosphorylated peptides, *Article*, (Waksman, G, Kominos, D, Robertson, S C, Pant, N, Baltimore, D, Birge, R B, Cowburn, D, Hanafusa, H, Mayer B J, Overduin, M, Resh, M D, Rios, C B, Silverman, L, Kuriyan, J) **358,** 646
Signal transduction: Fishing in Src-infested waters, *News and views*, (Petsko, G A) **358,** 625
Association of the Shc and Grb2/Sem5 SH2-containing proteins is implicated in activation of the Ras pathway by tyrosine kinases, *Letter to Nature*, (Rozakis-Adcock, M, McGlade, J, Mbamalu, G, Pelicci, G, Daly, R, Li, W, Batzer, A, Thomas, S, Brugge, J, Pelicci, P G, Schlessinger, J, Pawson, T) **360,** 689

Tyrosine protein kinases. Engagement of the high-affinity IgE receptor activates *src* protein-related tyrosine kinases, *Letter to Nature*, (Eiseman, E, Bolen, J B) **355,** 78

Ubiquitin-conjugated proteins. Ornithine decarboxylase is degraded by the 26S proteasome without ubiquitination, *Letter to Nature*, (Murakami, Y, Matsufuji, S, Kameji, T, Hayashi, S, Igarashi, K, Tamura, T, Tanaka, K, Ichihara, A) **360,** 597

Ubiquitin-conjugating enzymes. The Pas2 protein essential for peroxisome biogenesis is related to ubiquitin-conjugating enzymes, *Letter to Nature*, (Wiebel, F F, Kunau, W-H) **359,** 73

UK, academic pay. British academic morale and pay, *News*, (Harrison, D, Gillett, R, Clemens, M J) **356,** 280

UK, agriculture funding. UK agricultural funding leans towards policy, *News*, (Mundell, I) **358,** 268

UK, animal experiments. Animal experimentation: AFRC lays down the law, *News*, (Aldhous, P) **355,** 100

UK, astronomy. Hoyle statue unveiled, *News*, (Maddox, J) **358,** 269
UK astronomy: Shakeup for Royal Observatories, *News*, (Aldhous, P) **355,** 380

UK, biotechnology. UK moves closer to free market for research funding, *News*, (Mundell, I) **359,** 470

UK, brain drain. UK centres target brain drain, *News*, (Mundell, I) **358,** 182

UK, broadcasting. Broadcasting science, *Opinion*, **358,** 264

UK, clinical research. Clinical research damaged by UK health service reforms, *News*, (Mundell, I) **357,** 617

UK, computer networks. Reshuffling of funding councils jeopardizes plans for UK academic computer network, *News*, (Mundell, I) **359,** 468

UK, ecology. Environment: UK sets 'early warning system', *News*, (Aldhous, P) **355,** 383

UK, economy. Recession without end, *Opinion*, **358,** 356

UK, education. Welsh education: Small uncertainties, *News*, (Maddox, J) **356,** 99

UK, energy. Renewable energy may fall off Britain's research agenda, *News*, (Mundell, I) **357,** 8
Market ideology, *Opinion*, **359,** 658

UK, entomology. Japanese moth collection lands in London, *News*, (Mundell, I) **359,** 468

UK, environment. Marine blasts to be regulated following UK protest, *News*, (Mundell, I) **357,** 183
British military beckons environmental researchers, *News*, (Mundell, I) **358,** 179
Marine explosions, *Correspondence*, (Lockyer, C) **358,** 271
Environment: UK sets 'early warning system', *News*, (Aldhous, P) **355,** 383

UK, gas leakage. Gas leakage in United Kingdom, *Correspondence*, (Wallis, M K) **359,** 355

UK, gene therapy. Gene therapy: Britain gives the green light, *News*, (Aldhous, P) **355,** 190
Ethics: Call for UK gene therapy, *News*, (Aldhous, P) **355,** 286

UK, genome project. Human genome: MRC follows NIH on patents, *News*, (Aldhous, P) **356,** 98

UK, industry. Living with monopoly, *Opinion*, **356,** 180
Europe's recalcitrant offshore island, *Opinion*, **359,** 347
Pharmaceutical industry: Glaxo benches top manager, *News*, (Aldhous, P) **355,** 665

UK, medical research. Wellcome Trust to double spending after sale of shares, *News*, (Mundell, I) **358,** 359
NHS opens meta-analysis centre, *News*, (Mundell, I) **359,** 660
AIDS treatment: Confusion over therapy, *News*, (Aldhous, P) **355,** 102

UK, nuclear physics. UK nuclear physicists wonder if there is life after Daresbury, *News*, (Mundell, I) **359,** 352
France welcomes British physicists, *News*, (Mundell, I) **357,** 350

UK, nuclear power. Epidemiology: Leukaemia linked to radiation, *News*, (Aldhous, P) **355,** 381

UK, nuclear weapons. Europe's lesser nuclear powers in flux, *Opinion*, **355,** 283

UK, Office of Science and Technology. Royal Society wants extra powers for science office, *News*, (Mundell, I) **359,** 469

UK, politics. Towards an election disappointment, *Opinion*, **356,** 91
Britain's new chance, *Opinion*, **357,** 2

UK, research councils. Big sciences united in reshuffle of SERC, *News*, (Mundell, I) **357,** 101

UK, research funding. Thirty years back, *Opinion*, **356,** 644
New university funding council to reward potential, *News*, (Mundell, I) **358,** 100
British report real decline in spending on research, *News*, (Maddox, J) **358,** 359
Wellcome Trust to double spending after sale of shares, *News*, (Mundell, I) **358,** 359
Virtues of small universities, *Correspondence*, (Wolfendale, A W) **357,** 622
Reshuffling of funding councils jeopardizes plans for UK academic computer network, *News*, (Mundell, I) **359,** 468

UK moves closer to free market for research funding, *News*, (Mundell, I) **359**, 470
Industrial research: Report calls UK approach simplistic, *News*, (Mundell, I) **356**, 555
Royal Society wants extra powers for science office, *News*, (Mundell, I) **359**, 469
British research funding: Universities face changes, *News*, (Aldhous, P) **355**, 5
UK, research. Research foundations: Wellcome diversifies, *News*, (Aldhous, P) **356**, 8
Nineties' research, *Correspondence*, (Wolff, S) **358**, 366
UK, science policy. New government, old problems, *Opinion*, **356**, 547
UK science policy: Out of many, one, *News*, (Mundell, I) **356**, 646
Election fever, *Opinion*, **355**, 482
British science: Appeal across water, *News*, (Aldhous, P) **355**, 97
UK, science. Uninnovative Japan, *Correspondence*, (Lawson, M) **356**, 652
Does science leave room for soul?, *Opinion*, **356**, 729
British science, *Correspondence*, (Kealey, T) **357**, 272
UK science, *Correspondence*, (Krowitz, E J) **358**, 186
Prospects for graduates, *Correspondence*, (Eggleton, P) **355**, 292
Handicaps to British 'innovation', *Commentary*, (Kennaway, A) **355**, 198
The position of British science, *News*, (Martin, B R, Irvine, J) **355**, 760
UK, technology. UK science policy: Parties discover technology, *News*, (Aldhous, P) **355**, 757
British Technology Group: Will US rival strip BTG bare?, *News*, (Aldhous, P) **355**, 485
Technology: Staff buyout for BTG?, *News*, (Aldhous, P) **355**, 102
UK, technology transfer. Technology transfer: British Technology Group staff win fight for control, *News*, (Aldhous, P) **356**, 94
UK, universities. UK universities: Better luck second time?, *News*, (Abbott, A) **356**, 278
New university funding council to reward potential, *News*, (Mundell, I) **358**, 100
Unloved academics, *Opinion*, **358**, 263
Leeds disunited, *Opinion*, **357**, 614
Virtues of small universities, *Correspondence*, (Wolfendale, A W) **357**, 622
British research funding: Universities face changes, *News*, (Aldhous, P) **355**, 5
UK, zoos. Keeping zoos alive, *Opinion*, **358**, 94
London zoo crippled, *Correspondence*, (Cross, B) **358**, 102
London Zoo: Rebel fellows claim success, *News*, (Aldhous, P) **355**, 100
London Zoo: Jones's head rolls, *News*, (Aldhous, P) **355**, 488
A zoo with animals, *Opinion*, **355**, 188
UK-France collaboration. British say Pasteur Institute slighted their help on AIDS test, *News*, (Seytre, B) **358**, 358
Ultrasonic waves. Generation of ultrasonic waves from a layered photoacoustic source, *Letter to Nature*, (Sun, T, Diebold, G J) **355**, 806
Ultraviolet astronomy. Detection of a new white-dwarf binary system in the extreme ultraviolet using the Rosat Wide Field Camera, *Letter to Nature*, (Cooke, B A, Barstow, M A, Breeveld, E R, Charles, P A, Goodall, C V, Gourlay, J A, Hassall, B J M, Huckle, H E, Kent, B J, Pye, J P, Richards, A G, Sims, M R, Sumner, T J, Watson, M G, Wells, A, Willingale, R, Wright, J S) **355**, 61
Ultraviolet light. Cancer: Carcinogens leave fingerprints, *News and views*, (Vogelstein, B, Kinzler, K W) **355**, 209
Ultraviolet radiation. Increased ultraviolet radiation in New Zealand (45°S) relative to Germany (48°N), *Letter to Nature*, (Seckmeyer, G, McKenzie, R L) **359**, 135
Ozone: UV researchers opt for a compromise, *News*, (Anderson, C) **356**, 186
A eukaryotic DNA glycosylase/lyase recognizing ultraviolet light-induced pyrimidine dimers, *Letter to Nature*, (Hamilton, K K, Kim, P M H, Doetsch, P W) **356**, 725
Enhancements in biologically effective ultraviolet radiation following volcanic eruptions, *Letter to Nature*, (Vogelmann, A M, Ackerman, T P, Turco, R P) **359**, 47
UN conference. Earth summit raises expectations, *Opinion*, **356**, 1
UN conferences. Two successful weeks at Rio, *Opinion*, **357**, 523
UNCED. Unreasonable hope for Rio fades, *Opinion*, **356**, 461
Unconventional medicine. NIH makes room for the unconventional after Congress mandates new programme, *News*, (Mervis, J) **358**, 5
UNESCO. UNESCO: Reforms win praise, but not patrons, *News*, (Aldhous, P, Anderson, C) **356**, 187
Uniramia. Insect fossils: End of the 'Uniramia' taxon, *News and views*, (Shear, W A) **359**, 477
United Nations. CO_2 emissions, *Correspondence*, (Oliver, R T D) **359**, 9
Units, SI. NEJM restricts use of SI units, *News*, (Watson, T) **359**, 175
Universe, large-scale structure. The end of cold dark matter?, *Review article*, (Davis, M, Efstathiou, G, Frenk, C S, White, S D M) **356**, 489
Big Bang contd..., *Scientific correspondence*, (Arp, H C, Burbidge, G, Hoyle, F, Narlikar, J V) **357**, 287
Big Bang contd..: reply, *Scientific correspondence*, (Peebles, P J E, Turner, E C, Schramm, D N, Kron, R G) **357**, 288
A photoionization instability in the early intergalactic medium, *Letter to Nature*, (Hogan, C J) **359**, 40
Large-scale structure in a universe with mixed hot and cold dark matter, *Letter to Nature*, (Davis, M, Summers, F J, Schlegel, D) **359**, 393
Cosmology: Fresh light on dark ages, *News and views*, (Peacock, J) **355**, 203
Cosmology: Radiation treatment for CDM, *News and views*, (Hogan, C J) **355**, 585
Universities, Belgium. Belgian science, *Correspondence*, (Berben, G) **360**, 10
Universities, Brazil. Brazilian universities: Soviet immigrants trigger debate, *News*, (Bonalume, R) **355**, 758
Universities, China. China in Brief, *News*, (Li, Y Q) **360**, 201
Universities, commercial research. Biotechnology: Bad timing for BU's stock gamble, *News*, (Anderson, C) **356**, 736
Universities, Czechoslovakia. Freedom does not bring money, *Correspondence*, (Bochkarev, N G, Chernin, A D, Efremov, Yu N, Samus, N N, Zasov, A V) **355**, 384
Universities, Europe. Higher education: A European university, *News*, (Mundell, I) **356**, 553
What future for Europe's universities?, *Opinion*, **360**, 283
Business-like universities, *News*, **360**, 512
Universities look forward to more autonomy, *News*, **360**, 516
Aarhus on the accelerator, *News*, **360**, 518
Norway's universities challenged, *News*, **360**, 521
The view from the North, *News*, **360**, 522
Universities tighten their belts, *News*, **360**, 525
Universities, Germany. Germany plans university reform, *News*, (Abbott, A) **357**, 618
German professors appeal their dismissals in purge of thousands with ties to Stasi, *News*, (Abbott, A) **359**, 762
Universities, Hungary. Science reforms in Hungary, *Correspondence*, (Kellermayer, M) **355**, 291
Universities, India. Gupta's return: Pressure grows on Panjab University, *News*, (Jayaraman, K S) **356**, 97
Universities, Italy. Italian promotions defended . . ., *Correspondence*, (Baccarani, M, Castoldi, G, Papa, G, Perona, G, Tura, S) **356**, 188
. . . and attacked, *Correspondence*, (Aiuti, F, Baroni, C, Cao, A, Fantoni, A) **356**, 188
Italian university structure, *Correspondence*, (Burr, D) **357**, 273
. . . and attacked, *Correspondence*, (Visconti, G) **356**, 188
Academic standards in Italy, *Correspondence*, (Persico, F) **358**, 364
Academic promotion in Italy, *Correspondence*, (Amadori, S, Bernasconi, C, Boccadoro, M, Giustolisi, R, Gobbi, M) **355**, 581
Universities, Japan. Japanese increase spending on universities, *News*, (Swinbanks, D) **360**, 8
Recession forces Japanese industry to cut back on support of universities, *News*, (Swinbanks, D) **360**, 98
Japanese ministry requests large increase for competitive university grants, *News*, (Swinbanks, D) **359**, 96
Freer trade in US oranges helps Japanese researchers, *News*, (Swinbanks, D) **360**, 287
Reforms accompany relocations, *News*, (Swinbanks, D) **360**, 287
Japan topples tradition with move to foreign reviewers, *News*, (Swinbanks, D) **360**, 403
Japanese science: Universities win, *News*, (Swinbanks, D) **355**, 99
Universities, Poland. Sciences against the odds in Poland, *Commentary*, (Aldhous, P) **355**, 385
Universities, Russia. Russian science: New broom sweeps cleaner, *News*, (Maddox, J) **355**, 383
Universities, South Africa. Cabinet shifts unlikely to help South African universities, *News*, (Cherry, M) **357**, 184
Universities, UK. UK universities: Better luck second time?, *News*, (Abbott, A) **356**, 278
Managerial inadequacies, *Correspondence*, (Hopkins, S J, Campbell, P N) **356**, 373
New university funding council to reward potential, *News*, (Mundell, I) **358**, 100
Unloved academics, *Opinion*, **358**, 263
Leeds disunited, *Opinion*, **357**, 614
Virtues of small universities, *Correspondence*, (Wolfendale, A W) **357**, 622
Report urges UK universities to recoup full overhead costs, *News*, (Abbott, A) **358**, 528
University wants to buy journals directly, *News*, (Mundell, I) **359**, 179
British research funding: Universities face changes, *News*, (Aldhous, P) **355**, 5
Universities, US. Large, oil-soaked endowment helps state universities weather current hard times, *Commentary*, (Lindley, D) **357**, 625
Texas A&M struggles to gain the respect that its researchers have already won, *Commentary*, (Anderson, C) **357**, 634
A&M's plunge into biotechnology has everything - except staff, *Commentary*, (Anderson, C) **357**, 635
Out, out brief candle..., *Commentary*, (Lindley, D) **357**, 635
California's money woes hit universities, *News*, (Anderson, C) **359**, 93
First meeting of commission gives Massey a boost in plotting viable future for NSF, *News*, (Mervis, J) **359**, 261
Emphasis on research blamed for problems at US universities, *News*, (Watson, T) **359**, 263
Education without impact: How our universities fail the young, *Book review by* Warnock, M. **360**, 383
Disallowing direct costs, *Correspondence*, (Hurley, B J) **355**, 668
Paying for research, *Opinion*, **355**, 96
US government targets indirect cost agreements, *News*, (Anderson, C) **355**, 97
Yale retrenches, *Opinion*, **355**, 284
University policy: Yale to cut departments, *News*, (Culliton, B J) **355**, 288
Universities. The changing university: How increased demand for scientists and technology is transforming academic institutions internationally, *Book review by* Rosenzweig, R M. **355**, 121
Uranium, mineralization. Ages of altered granites adjoining the Witwatersrand Basin with implications for the origin of gold and uranium, *Letter to Nature*, (Robb, L J, Davis, D W, Kamo, S L, Meyer, F M) **357**, 677
Urinary proteins. Pheromone binding to two rodent urinary proteins revealed by X-ray crystallography, *Letter to Nature*, (Böcskei, Z, Groom, C R, Flower, D R, Wright, C E, Phillips, S E V, Cavaggioni, A, Findlay, J B C, North, A C T) **360**, 186
Urokinase. Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355**, 270
US Army, cancer research. NIH and Army meet on breast cancer windfall, *News*, (Watson, T) **359**, 764
US congress, research funding. Activism's toll, *Opinion*, **360**, 2
Opponents of US earmarks propose reviews to temper worst elements of growing practice, *News*, (Anderson, C) **360**, 4
US, academic appointments. US Academy of Sciences: IOM gets top name, *News*, (Anderson, C) **355**, 102
US, agriculture. Well-being and productivity, *Correspondence*, (Jukes, T H) **358**, 186
Today's non-Orwellian animal farm, *Commentary*, (Jukes, T H) **355**, 582
US, AIDS drugs. Racial tensions entangle NIH in dispute over AIDS drug, *News*, (Anderson, C) **359**, 660
US, Antarctic research. New icebreaker, *News*, (Anderson, C) **356**, 279
US, biomedical research. New York: Restoring shine on the Big Apple, *News*, (Bluestone, M) **356**, 649
US, biotechnology. US biotechnology policy, *Opinion*, **356**, 1
Biotechnology: 'Silber's folly' goes public, *News*, (Anderson, C) **356**, 183
Drug approvals, *Correspondence*, (Miller, H I) **356**, 189
DNA feud, *Opinion*, **357**, 179
Industry surprised by firm US stance on biodiversity treaty, *News*, (Anderson, C) **357**, 428
Genentech's stance on biodiversity riles staff, *News*, (Lehrman, S) **358**, 97
Biotechnology leads the way as state moves beyond ground-based economy, *Commentary*, (Gershon, D) **357**, 626
Houston breeds biotechnology hot shots, *Commentary*, (Gershon, D) **357**, 629
New biotechnology institute at Rice promotes interdisciplinary studies, *Commentary*, (Gershon, D) **357**, 630
A&M's plunge into biotechnology has everything - except staff, *Commentary*, (Anderson, C) **357**, 635
Overregulation could damage US biotechnology, says report, *News*, (Lehrman, S) **359**, 569
Mail-order notification would replace permits for US field tests, *News*, (Lehrman, S) **359**, 663
Gene wars escalate as US official battles NIH over pursuit of patent, *News*, (Anderson, C) **359**, 467
US, cancer research. Ludwig estate to support research, *News*, (Watson, T) **359**, 470
Congress supports breast cancer research by taking $210 million from military, *News*, (Watson, T) **359**, 471
US, climate research. Climate satellites: Another hole in ozone data?, *News*, (Swinbanks, D, Anderson, C) **356**, 99
US, computers. Fifth generation project lives on, *News*, (Swinbanks, D) **357**, 619
US, crime. NIH, under fire, freezes grant for conference on genetics and crime, *News*, (Anderson, C) **358**, 357
Genetic influence, *Correspondence*, (Wasserman, D) **359**, 266
US, data handling. FBI attaches strings to its DNA database, *News*, (Anderson, C) **357**, 618
US, defence. Defence research: Classification Catch-22, *News*, (Anderson, C) **356**, 274
US, drug legislation. New drug law to speed scientific review, *Opinion*, **359**, 563
User fees to hasten FDA review, *News*, (Gershon, D) **359**, 567
US, economy. What happened to all that prosperity?, *Opinion*, **355**, 95
In what state is the Union?, *Opinion*, **355**, 481
US, energy research. Congress laments politics of energy, *News*, (Anderson, C) **357**, 8
Energy researchers fight for survival, *Commentary*, (Jones, K) **357**, 636
US, environment. Anti-environment Bush, *Opinion*, **357**, 177
US, environmental companies. Green scheme to open Asian markets, *News*, (Anderson, C) **355**, 194
US, evolution education. Evolution education: Creationist victory, *News*, (Anderson, C) **355**, 757

US, fetal tissue research. Battle lines form over fetal tissue research, *News*, (Anderson, C) **355,** 189

US, Food and Drug Administration. FDA reforms: Private doubts, public support, *News*, (Gershon, D) **356,** 279

US, fusion research. US magnetic fusion: The best machine for the money, *News*, (Mervis, J) **356,** 96

US magnetic fusion: Fusion on $2 a day, *News*, (Anderson, C) **356,** 96

US, gene patents. Patents for genomes?, *Opinion*, **358,** 176

US rules out gene patent treaty, *News*, (Anderson, C) **358,** 180

US, genetic engineering. Genetically engineered foods get green light, *News*, (Gershon, D) **357,** 352

US, genome research. Controversial NIH genome researcher leaves for new $70-million institute, *News*, (Anderson, C) **358,** 95

US, graduate training. Graduate training: Kinder, gentler, more useful mathematics, *News*, (Lindley, D) **356,** 650

US, health hazards. One policy for all?, *News*, (Anderson, C) **358,** 181

US, high-energy physics. High-energy physics: Zero-sum game, *News*, (Anderson, C) **356,** 97

High-energy physics: Z not, *News*, (Anderson, C) **356,** 99

Superconducting supercollider: Congress attacks contractor, accountants, *News*, (Anderson, C) **356,** 554

SLAC defended, *Correspondence*, (Richter, B) **357,** 354

Which accelerator will be next?, *Opinion*, **358,** 263

Japanese physicists say SSC will hurt domestic research, *News*, (Swinbanks, D) **358,** 266

Another phoenix?, *Opinion*, **357,** 613

House vote to kill SSC reflects squeeze that budget deficit puts on all research, *News*, (Mervis, J; Anderson, C) **357,** 616

Supercollider creates a field of dreams for luring high-energy physicists to Texas, *Commentary*, (Mervis, J) **357,** 632

Four who have come, *Commentary*, (Mervis, J) **357,** 633

US, Human Genome Project. Patents for genomes?, *Opinion*, **358,** 176

Wall Street remains bearish on value of genome project, *News*, (Anderson, C) **358,** 180

Public opinion of gene patents, *Correspondence*, (Macer, D) **358,** 272

US, industry. Agencies told to transfer technology - or else, *News*, (Anderson, C) **359,** 350

US, law. Courts reject DNA fingerprinting, citing controversy after NAS report, *News*, (Anderson, C) **359,** 349

US, life sciences. Perkin-Elmer to buy Applied Biosystems to broaden markets, *News*, (Gershon, D) **359,** 570

US, marine biology. Burris appointed to head Woods Hole marine laboratory, *News*, (Watson, T) **358,** 269

US, medical research. Congress looks for methods to assess clinical research, *News*, (Anderson, C) **357,** 5

Search for contaminant in EMS outbreak goes slowly, *News*, (Swinbanks, D; Anderson, C) **358,** 96

Delaney's revenge: Court rejects US approach to assessing cancer risks in processed foods, *News*, (Anderson, C) **358,** 181

SW medical center, famous and favoured, is thriving, *Commentary*, (Culliton, B J) **357,** 627

US, military data. Researchers see obstacles in using spy data, *News*, (Watson, T) **358,** 178

US, military research. US national laboratories: Beating swords into "critical technologies", *News*, (Anderson, C) **355,** 578

US, National Institutes of Health. Congress compromises on rules governing NIH policies, *News*, (Anderson, C) **357,** 267

Mistaken view, *Correspondence*, (Wise, S P) **358,** 272

A strategy tinged with chauvinism, *Opinion*, **358,** 355

Racial tensions entangle NIH in dispute over AIDS drug, *News*, (Anderson, C) **359,** 660

Genetic influence, *Correspondence*, (Wasserman, D) **359,** 266

Gene wars escalate as US official battles NIH over pursuit of patent, *News*, (Anderson, C) **359,** 467

NIH, under fire, freezes grant for conference on genetics and crime, *News*, (Anderson, C) **358,** 357

US, national laboratories. Sandia looks for a company that will put research before profits, *News*, (Anderson, C) **357,** 349

Audit faults US national labs, *News*, (Watson, T) **358,** 177

Agencies told to transfer technology - or else, *News*, (Anderson, C) **359,** 350

US, National Oceanic and Atmospheric Administration. NOAA appoints ombudsman to repair frayed ties with universities, *News*, (Anderson, C) **359,** 570

US, nuclear weapons testing. NAS to redo atomic studies found to be flawed, *News*, (Anderson, C) **359,** 354

Winning a nuclear test-ban by stealth?, *Opinion*, **359,** 465

US, oceanographic research. Oceanography: Explosion kills two, *News*, (Anderson, C) **356,** 187

US oceanography lab sinks under weight of politics, *News*, (Anderson, C) **358,** 99

US, patents. Patent office drops plan to raise fees, *News*, (Watson, T) **356,** 645

US prepares to adopt world patent standards, *News*, (Anderson, C; Swinbanks, D) **356,** 645

Report urges software patent fix, *News*, (Anderson, C) **357,** 7

Universities fear being left out by patent reforms, *News*, (Anderson, C) **357,** 7

US, presidential election. Al Gore's future, *Opinion*, **358,** 175

Clinton emphasizes technology over science in choosing advisers for presidential campaign, *News*, (Anderson, C) **359,** 662

Agenda for a US president, *Opinion*, **360,** 1

US, public health. Infectious diseases are not banished, *Opinion*, **359,** 657

US, research and development. San Antonio fills research park by making offers that scientists cannot refuse, *Commentary*, (Culliton, B J) **357,** 631

US, research funding. Instant initiative, *News*, (Mervis, J) **356,** 98

Peer review loses out in congressional cutting spree, *News*, (Anderson, C) **357,** 103

Industrial research: Physics losing the corporate struggle, *News*, (Anderson, C) **356,** 184

Congress slashes 'silly titles', *News*, (Anderson, C) **357,** 271

The decade of the brain, *Opinion*, **357,** 348

House vote to kill SSC reflects squeeze that budget deficit puts on all research, *News*, (Mervis, J; Anderson, C) **357,** 616

New rules loom for US science funding as Congress passes a lean 1993 budget, *News*, (Anderson, C; Mervis, J; Watson, T) **359,** 566

US government asked to fund more industrial research, *News*, (Anderson, C) **358,** 615

US muddles policy on fetal tissue, *Opinion*, **358,** 93

Don't ask for too much, industry tells Congress, *News*, (Mervis, J) **359,** 350

Ludwig estate to support research, *News*, (Watson, T) **359,** 470

Small businesses to get bigger slice of US research pie, *News*, (Anderson, C) **359,** 470

Congress supports breast cancer research by taking $210 million from military, *News*, (Watson, T) **359,** 471

Paying for research, *Opinion*, **355,** 96

US government targets indirect cost agreements, *News*, (Anderson, C) **355,** 97

Science politics: At frontier's end, the "P" word, *News*, (Anderson, C; Lindley, D) **355,** 487

Research priorities: Healy attacks US budgeting system, *News*, (Mervis, J) **356,** 555

US science budget: Seven per cent solution: too good to be true, *News*, (Anderson, C; Lindley, D; Gershon, D) **355,** 486

Science politics: At frontier's end, the "P" word, *News*, (Anderson, C; Lindley, D) **355,** 487

US, research overheads. Indirect costs: Dingell probe expands, *News*, (Anderson, C) **355,** 484

US, research politics. US research politics: Goodwin stumbles, *News*, (Mervis, J) **356,** 6

Of animals and men, *Correspondence*, (Dayis, B D) **357,** 187

US, research. University officials dismiss quick payoff from research funds, *News*, (Watson, T) **358,** 363

Sharing out NASA's spoils, *Commentary*, (Bezdek, R H; Wending, R M) **355,** 105

US, Russian aid. Saving Russian science: Will aplenty, but is there a way?, *News*, (Anderson, C) **355,** 576

US, Salk Institute. Brian Henderson named president of Salk Institute, *News*, (Watson, T) **359,** 569

US, satellites. Congress prepares compromise plan to save Landsat, lower costs and improve service, *News*, (Anderson, C) **359,** 353

US, science and technology. Report proposes US forum to link research to needs, *News*, (Mervis, J) **359,** 350

US, science education. Toshiba to help US students think about technology, *News*, (Mervis, J) **359,** 351

US, science policy. Global change: US research could lose lustre, *News*, (Mervis, J) **355,** 578

Setting priorities, *Opinion*, **355,** 378

US, science. Science on hit-list, *Opinion*, **357,** 98

Press sues to open White House science meetings, *News*, (Anderson, C) **357,** 103

Optimistic, independent, aggressive: Texas shoots for the top in science, *Commentary*, (Culliton, B J) **357,** 623

Opening for US science, *Opinion*, **355,** 2

US, scientific misconduct. Scientific misconduct: FBI investigating NIH leaks, *News*, (Anderson, C) **356,** 186

Change in fraud review proposed, *News and views*, (Culliton, B J) **356,** 191

US, software protection. Report urges software patent fix, *News*, (Anderson, C) **357,** 7

US, space programme. US space programme: Industrialist to NASA, *News*, (Anderson, C) **356,** 184

Building a low-cost space station, *Correspondence*, (Ware, R H) **358,** 365

Space science: Smaller, cheaper, leaner, *News*, (Anderson, C) **355,** 7

Space research: NASA chief sacked, *News*, (Anderson, C) **355,** 665

US, space research. Space station wins, but House critic says that he's lost it, *News*, (Anderson, C) **357,** 8

Magellan team fights to extend mission, *News*, (Anderson, C) **357,** 9

Space science in Texas means basic research as well as support for manned flights, *Commentary*, (Oberg, A) **357,** 637

NASA carves up science programme, *News*, (Lawler, A) **359,** 659

Hanging out for the hypersonic plane, *Commentary*, (Handberg, R; Johnson-Freese, J; Webb, D C) **355,** 491

US, supercomputers. Supercomputers: Changing of the guard leaves Cray out, *News*, (Anderson, C) **356,** 95

Contradictory US trade policy opens supercomputer market to Japanese, *News*, (Anderson, C) **358,** 265

Cray claims foul play in Japan, *News*, (Swinbanks, D) **358,** 265

US, Superconducting Super Collider. No SSC for India, *News*, (Mervis, J) **356,** 98

Superconducting supercollider: Congress attacks contractor, accountants, *News*, (Anderson, C) **356,** 554

Foreign contributors hold fate of two SSC detectors, *News*, (Mervis, J) **357,** 102

US, superconductivity. Superconductivity: Growing up in public, *News*, (Anderson, C) **356,** 185

US, technology. The woods are alive with high technology, *Commentary*, **357,** 630

San Antonio aims for spot on high-technology map, *Commentary*, (Gershon, D) **357,** 638

British Technology Group: Will US rival strip BTG bare?, *News*, (Aldhous, P) **355,** 485

NIH scientists chafe under ethics rules on industry ties, *News*, (Anderson, C) **357,** 180

The fail-safe society: Community defiance and the end of American technological optimism, *Book review by* Aldhous, P. **355,** 124

US, telecommunications. Computer network rumours prove hard to kill, *News*, (Anderson, C) **357,** 528

US, trade. American free trade, *Opinion*, **356,** 92

No politics please, *Correspondence*, (Cumming, P) **357,** 432

Bashing Japan/Bashing America, *Opinion*, **355,** 187

US, universities. Large, oil-soaked endowment helps state universities weather current hard times, *Commentary*, (Lindley, D) **357,** 625

Texas A&M struggles to gain the respect that its researchers have already won, *Commentary*, (Anderson, C) **357,** 634

A&M's plunge into biotechnology has everything - except staff, *Commentary*, (Anderson, C) **357,** 635

Out, out brief candle.., *Commentary*, (Lindley, D) **357,** 635

Disallowing direct costs, *Correspondence*, (Hurley, B J) **355,** 668

Paying for research, *Opinion*, **355,** 96

US government targets indirect cost agreements, *News*, (Anderson, C) **355,** 97

Yale retrenches, *Opinion*, **355,** 284

University policy: Yale to cut departments, *News*, (Culliton, B J) **355,** 288

US-Japan collaboration. Japan stubs its toes on fifth-generation computer, *News*, (Swinbanks, D; Anderson, C) **356,** 273

SSC says it holds the edge, *News*, (Mervis, J) **357,** 429

Contradictory US trade policy opens supercomputer market to Japanese, *News*, (Anderson, C) **358,** 265

Cray claims foul play in Japan, *News*, (Swinbanks, D) **358,** 265

Collaboration vetoed, *News*, (Anderson, C) **356,** 273

Japanese science: Frontiers win, *News*, (Swinbanks, D) **355,** 379

International collaboration: Japan leaning towards SSC, *News*, (Swinbanks, D) **355,** 8

Japan: Japan vacillates over SSC, *News*, (Swinbanks, D) **355,** 193

US-Russia collaboration. New foundation to fund Russian biologists, *News*, (Pokrowsky, V; Mervis, J) **357,** 431

Anything left for civilian science?, *News*, (Mervis, J) **358,** 270

User fees. New drug law to speed scientific review, *Opinion*, **359,** 563

User fees to hasten FDA review, *News*, (Gershon, D) **359,** 567

Frustrated by regulatory delays at FDA, biotech companies warm to user fees, *News*, (Gershon, D) **358,** 616

User fees advance in Congress, *News*, (Gershon, D) **359,** 261

Uterine function. Blastocyst implantation depends on maternal expression of leukaemia inhibitory factor, *Letter to Nature*, (Stewart, C L; Kaspar, P; Brunet, L J; Bhatt, H; Gadi, I; Köntgen, F; Abbondanzo, S J) **359,** 76

Cytokines: Can there be life without LIF?, *News and views*, (Heath, J K) **359,** 17

v-*src* oncogene. Crystal structure of the phosphotyrosine recognition domain SH2 of v-*src* complexed with tyrosine-phosphorylated peptides, *Article*, (Baltimore, D; Birge, R B; Cowburn, D; Hanafusa, H; Kominos, D; Kuriyan, Mayer, B J; Overduin, M; Pant, N; Resh, M D; Rios, C B; Robertson, S C; Silverman, L; Waksman, G) **358,** 646

Signal transduction: Fishing in Src-infested waters, *News and views*, (Petsko, G A) **358,** 625

Vaccination. Polio vaccine: French-Indian project in jeopardy, *News*, (Jayaraman, K S) **356,** 94

Eradication of rabies in Europe, *Scientific correspondence*, (Flamand, A; Coulon, P; Lafay, F; Kappeler, A; Artois, M; Aubert, M; Blancou, J; Wandeler, A I) **360,** 115

Vaccine research. Training for Egyptian scientists, *News*, (Ferrell-Stevens, J) **355,** 194

Vaccine trials, AIDS. Researchers recommend US AIDS vaccine trials, *News*, (Watson, T) **360,** 94

Vaccines, AIDS. US company's gene therapy trial is first to bypass RAC for approval, *News*, (Anderson, C) **357,** 615

Vaccines, HIV. HIV: to vaccinate or not to vaccinate?, *Commentary*, (Ada, G; Blanden, R; Mullbacher, A) **359,** 572

Vaccines, leprosy. Leprosy vaccine, *Correspondence*, (Crawford, C L) **359,** 100

Efficacy of leprosy vaccine, *Correspondence*, (Fine, P E M; Smith, P G) **360,** 406

Vaccines, malaria. Molecular analysis of the association of HLA-B53 and resistance to severe malaria, *Article*, (Hill, A V S, Elvin, J, Willis, A C, Aidoo, M, Allsopp, C E M, Gotch, F M, Gao, X M, Takiguchi, M, Greenwood, B M, Townsend, A R M, McMichael, A J, Whittle, H C) **360,** 434
Malaria: Another route to a vaccine?, *News and views*, (Cox, F E G) **360,** 417
Vaccines, rabies. Evidence for a viral superantigen in humans, *Letter to Nature*, (Lafon, M, Lafage, M, Martinez-Arends, A, Ramirez, R, Vuillier, F, Charron, D, Lotteau, V, Scott-Algara, D) **358,** 507
Superantigen data, *Scientific correspondence*, (Fraser, J D, Lafon, M) **360,** 423
Vampire bats. First blood, *News and views*, **360,** 213
van der Waals forces. A high-pressure van der Waals compound in solid nitrogen-helium mixtures, *Letter to Nature*, (Vos, W L, Finger, L W, Hemley, R J, Hu, J Z, Mao, H K, Schouten, J A) **358,** 46
Variable stars. Possible cataclysmic variable in the core of the globular cluster 47 Tucanae, *Letter to Nature*, (Paresce, F, De Marchi, G, Ferraro, F R) **360,** 46
Fast pulsations in a Wolf-Rayet star, *Letter to Nature*, (Blecha, A, Schaller, G, Maeder, A) **360,** 320
Variation, viruses. Virology: How does variation count?, *News and views*, (Huang, A S, Coffin, J M) **359,** 107
Vascular endothelial growth factor. Vascular endothelial growth factor induced by hypoxia may mediate hypoxia-initiated angiogenesis, *Letter to Nature*, (Shweiki, D, Itin, A, Soffer, D, Keshet, E) **359,** 843
Vascular endothelial growth factor is a potential tumour angiogenesis factor in human gliomas in vivo, *Letter to Nature*, (Plate, K H, Breier, G, Weich, H A, Risau, W) **359,** 845
VASE exon. The VASE exon downregulates the neurite growth-promoting activity of NCAM 140, *Letter to Nature*, (Doherty, P, Moolenaar, C E C K, Ashton, S V, Michalides, R J A M, Walsh, F S) **356,** 791
Vasopressin receptors. Molecular cloning of the receptor for human antidiuretic hormone, *Letter to Nature*, (Birnbaumer, M, Seibold, A, Gilbert, S, Ishido, M, Barberis, C, Antaramian, A, Brabet, P, Rosenthal, W) **357,** 333
Cloning and characterization of a vasopressin V2 receptor and possible link to nephrogenic diabetes insipidus, *Letter to Nature*, (Lolait, S J, O'Carroll, A-M, McBride, O W, Konig, M, Morel, A, Brownstein, M J) **357,** 336
Peptide receptors: Stepping up the pressure, *News and views*, (Sharif, M, Hanley, M R) **357,** 279
Vatican, Galileo. *Eppur si non muove*, *Opinion*, **360,** 2
***vav* proto-oncogene.** Product of *vav* proto-oncogene defines a new class of tyrosine protein kinase substrates, *Letter to Nature*, (Bustelo, X R, Ledbetter, J A, Barbacid, M) **356,** 68
Tyrosine phosphorylation of *vav* proto-oncogene product containing SH2 domain and transcription factor motifs, *Letter to Nature*, (Margolis, B, Hu, P, Katzav, S, Li, W, Oliver, J M, Ullrich, A, Weiss, A, Schlessinger, J) **356,** 71
Proto-*vav* and gene expression, *Scientific correspondence*, (Boguski, M S, Bairoch, A, Attwood, T K, Michaels, G) **358,** 113
Vegetation, and climate. Effects of boreal forest vegetation on global climate, *Letter to Nature*, (Bonan, G B, Pollard, D, Thompson, S L) **359,** 716
Venus. Planetary science: Airblast scars on Venus, *News and views*, (Melosh, H J) **358,** 622
Venus night lights, *News and views*, (Pease, R) **359,** 481
Variable oxygen airglow on Venus as a probe of atmospheric dynamics, *Letter to Nature*, (Allen, D, Crisp, D, Meadows, V) **359,** 516
Atmospheric cellular convection, *Scientific correspondence*, (Scorer, R S, Baker, R D II, Schubert, G) **359,** 370
Cellular convection in the atmosphere of Venus, *Letter to Nature*, (Baker, R D, Schubert, G) **355,** 710
Space science: Mute Magellan finds its voice, *Opinion*, (Anderson, C) **355,** 190
Vertebrate development. Visible benefit, *News and views*, **358,** 110
Vertebrate development: Induction and all that, *News and views*, (Cooke, J) **358,** 111
Targeted misexpression of *Hox-4.6* in the avian limb bud causes apparent homeotic transformations, *Letter to Nature*, (Morgan, B A, Izpisua-Belmonte, J-C, Duboule, D, Tabin, C J) **358,** 236
Vertebrate development: A tool for transgenesis, *News and views*, (Tickle, C) **358,** 188
Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment, *Letter to Nature*, (Mohanty-Hejmadi, P, Dutta, S K, Mahapatra, P) **355,** 352
Vertebrate locomotion. Concentrating mammalian urine, *Scientific correspondence*, (Greenwald, L) **356,** 295
Vestibulo-ocular reflex. Motor learning in a recurrent network model based on the vestibulo-ocular reflex, *Letter to Nature*, (Lisberger, S G, Sejnowski, T J) **360,** 159
Vetch seeds, human consumption. Coping with toxic pulses, *Correspondence*, (Brown, E G, McCallum, A D) **360,** 9
Vetinary medicine. Veterinary medicine: Molecular genetics arrives on the farm, *News and views*, (Womack, J E) **360,** 108
Viagene. US company's gene therapy trial is first to bypass RAC for approval, *News*, (Anderson, C) **357,** 615
Vibrio cholerae. Solar sterilization, *News and views*, **359,** 590
Vibrio. Polar and lateral flagellar motors of marine *Vibrio* are driven by different ion-motive forces, *Letter to Nature*, (Atsumi, T, McCarter, L, Imae, Y) **355,** 182
Vicia sativa. Coping with toxic pulses, *Correspondence*, (Brown, E G, McCallum, A D) **360,** 9
Vicia sativa. A mess of red pottage, *Commentary*, (Tate, M E, Enneking, D) **359,** 357
Viral RNA. Pol of gag-pol fusion protein required for encapsidation of viral RNA of yeast L-A virus, *Letter to Nature*, (Fujimura, T, Ribas, J C, Makhov, A M, Wickner, R B) **359,** 746
Viral vectors. Moving straight to the target, *News and views*, (Davies, K) **358,** 519
Virology. Cardioviral internal ribosomal entry site is functional in a genetically engineered dicistronic poliovirus, *Letter to Nature*, (Molla, A, Jang, S K, Paul, A V, Reuer, Q, Wimmer, E) **356,** 255
Epstein-Barr virus infection and replication in a human epithelial cell system, *Letter to Nature*, (Li, Q X, Young, L S, Niedobitek, G, Dawson, C W, Birkenbach, M, Wang, F, Rickinson, A B) **356,** 347
Influenza virus: Amantadine blocks the channel, *News and views*, (Skehel, J J) **358,** 110
Human cytomegalovirus *UL97* open reading frame encodes a protein that phosphorylates the antiviral nucleoside analogue ganciclovir, *Letter to Nature*, (Littler, E, Stuart, A, Chee, M S) **358,** 160
A protein kinase homologue controls phosphorylation of ganciclovir in human cytomegalovirus-infected cells, *Letter to Nature*, (Sullivan, V, Talarico, C L, Stanat, S C, Davis, M, Coen, D M, Biron, K K) **358,** 162
Inhibition of furin-mediated cleavage activation of HIV-1 glycoprotein gp160, *Letter to Nature*, (Hallenberger, S, Bosch, V, Angliker, H, Shaw, E, Klenk, H-D, Garten, W) **360,** 358
Virology: How does variation count?, *News and views*, (Huang, A S, Coffin, J M) **359,** 107
AIDS and malaria experiments, *Scientific correspondence*, (Gosden, R G) **355,** 305
Herpesvirus saimiri encodes homologues of G protein-coupled receptors and cyclins, *Letter to Nature*, (Nicholas, J, Cameron, K R, Honess, R W) **355,** 362
Virus structures. Identification of a Fab interaction footprint site on an icosahedral virus by cryoelection microscopy and X-ray crystallography, *Letter to Nature*, (Wang, G, Porta, C, Chen, Z, Baker, T S, Johnson, J E) **355,** 275
Viruses, computer. Retroviral Michelangelo, *Opinion*, **356,** 92
Vision. Filling in the blind spot, *Scientific correspondence*, (Ramachandran, V S) **356,** 115
Colour vision: Worlds of difference, *News and views*, (Mollon, J) **356,** 378
Tickled by light, *News and views*, **357,** 17
Segregation of global and local motion processing in primate middle temporal visual area, *Letter to Nature*, (Born, R T, Tootell, R B H) **357,** 497
Neural correlates of perceptual motion coherence, *Letter to Nature*, (Stoner, G R, Albright, T D) **358,** 412
Objective analysis of the topological organization of the primate cortical visual system, *Letter to Nature*, (Young, M P) **358,** 152
Real and optimal neural images in early vision, *Letter to Nature*, (van Hateren, J H) **360,** 68
Preserved figure-ground segregation and symmetry perception in visual neglect, *Letter to Nature*, (Driver, J, Baylis, G C, Rafal, R D) **360,** 73
Neural networks: Stitch in time saves design, *News and views*, (Judge, S J) **360,** 104
Columns for visual features of objects in monkey inferotemporal cortex, *Letter to Nature*, (Fujita, I, Tanaka, K, Ito, M, Cheng, K) **360,** 343
Possible blindsight in infants lacking one cerebral hemisphere, *Letter to Nature*, (Braddick, O, Atkinson, J, Hood, B, Harkness, W, Jackson, G Vargha-Khadem, F) **360,** 461
Neurobiology: Elements of visual perception, *News and views*, (Stryker, M P) **360,** 301
The spatial arrangement of cones in the primate fovea, *Letter to Nature*, (Mollon, J D, Bowmaker, J K) **360,** 677
Seeing red, *News and views*, **355,** 22
Spatial filtering precedes motion detection, *Letter to Nature*, (Morgan, M J) **355,** 344
Subtractive and divisive adaptation in the human visual system, *Letter to Nature*, (Snowden, R J, Hammett, S T) **355,** 248
Visual communication. Journal of visual communication and image representation, *Journal review*, (Holburn, D, Zeevia, Y Y, Hsing, T R) **359,** 454
Visual cortex. Mixed parvocellular and magnocellular geniculate signals in visual area V4, *Letter to Nature*, (Ferrera, V P, Nealey, T A, Maunsell, J H R) **358,** 756
Visual imagery. Neuropsychology: Drawing upon the mind's eye, *News and views*, (Gurd, J M, Marshall, J C) **359,** 590
Dissociation between mental imagery and object recognition in a brain-damaged patient, *Letter to Nature*, (Behrmann, M, Winocur, G, Moscovitch, M) **359,** 636
Visual perception. Receptive field dynamics in adult primary visual cortex, *Letter to Nature*, (Gilbert, C D, Wiesel, T N) **356,** 150
Neuropsychology: Drawing upon the mind's eye, *News and views*, (Gurd, J M, Marshall, J C) **359,** 590
Surfaces versus features in visual search, *Letter to Nature*, (He, Z J, Nakayama, K) **359,** 231
Dissociation between mental imagery and object recognition in a brain-damaged patient, *Letter to Nature*, (Behrmann, M, Winocur, G, Moscovitch, M) **359,** 636
The perception of heading during eye movements, *Letter to Nature*, (Royden, C S, Banks, M S, Crowell, J A) **360,** 583
Three-dimensional illusory contours and surfaces, *Letter to Nature*, (Carman, G J, Welch, L) **360,** 585
Visual pigments. Polymorphism in red photopigment underlies variation in colour matching, *Letter to Nature*, (Winderickx, J, Lindsey, D T, Sanocki, E, Teller, D Y, Motulsky, A G, Deeb, S S) **356,** 431
Absorption spectra of human cone pigments, *Letter to Nature*, (Merbs, S L, Nathans, J) **356,** 433
Visual transduction. Mixed parvocellular and magnocellular geniculate signals in visual area V4, *Letter to Nature*, (Ferrera, V P, Nealey, T A, Maunsell, J H R) **358,** 756
Lipid modification at the N terminus of photoreceptor G-protein α-subunit, *Letter to Nature*, (Kokame, K, Fukada, Y, Yoshizawa, T, Takao, T, Shimonishi, Y) **359,** 749
Visual differences, *News and views*, (Casey, P) **359,** 671
Vitamin A. Limbs generated at site of tail amputation in marbled balloon frog after vitamin A treatment, *Letter to Nature*, (Mohanty-Hejmadi, P, Dutta, S K, Mahapatra, P) **355,** 352
9-*Cis* retinoic acid stereoisomer binds and activates the nuclear receptor RXRÂ, *Letter to Nature*, (Levin, A A, Sturzenbecker, L J, Kazmer, S, Bosakowski, T, Huselton, C, Allenby, G, Speck, J, Kratzeisen, Cl, Rosenberger, M, Lovey, A, Grippo, J F) **355,** 359
Vitamin D. Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D, signalling, *Letter to Nature*, (Kliewer, S A, Umesono, K, Mangelsdorf, D J, Evans, R M) **355,** 446
Vitamin supplements. IQ and diet, *Correspondence*, (Benton, D) **355,** 667
Vitamins. Dietary supplements: 'IQ pills' land in trouble, *News*, (Aldhous, P) **355,** 285
Vivisection. Animal research: Military stands firm on dissection, *News*, (Anderson, C) **356,** 554
Volcanic emissions. Observation and possible causes of new ozone depletion in Antarctica in 1991, *Article*, (Hofmann, D J, Oltmans, S J, Harris, J M, Solomon, S, Deshler, T, Johnson, B J) **359,** 283
Volcanic eruptions, aerosols. Tropical stratospheric circulation deduced from satellite aerosol data, *Letter to Nature*, (Trepte, C R, Hitchman, M H) **355,** 626
Volcanic eruptions, Japan. Vulcanologists seek to understand processes, *News*, (Swinbanks, D) **356,** 464
Volcanic eruptions, Unzen. Mount Unzen rumbles on, *Scientific correspondence*, (Fink, J) **357,** 119
Volcanic eruptions. A basalt trigger for the 1991 eruptions of Pinatubo volcano?, *Letter to Nature*, (Pallister, J S, Hoblitt, R P, Reyes, A G) **356,** 426
Enhancements in biologically effective ultraviolet radiation following volcanic eruptions, *Letter to Nature*, (Vogelmann, A M, Ackerman, T P, Turco, R P) **359,** 47
Volcanic winter and accelerated glaciation following the Toba super-eruption, *Letter to Nature*, (Rampino, M R, Self, S) **359,** 50
Glaciation: Explosive start to last ice age, *News and views*, (Ramaswamy, V) **359,** 14
Volcanology: What goes up could come down, *News and views*, (Fink, J) **359,** 102
Ozone depletion: Volcanic aerosols implicated, *News and views*, (Brasseur, G) **359,** 275
Volcanism, hotspots. Drowned islands downstream from the Galapagos hotspot imply extended speciation times, *Letter to Nature*, (Christie, D M, Duncan, R A, McBirney, A R, Richards, M A, White, W M, Harpp, K S, Fox, C G) **355,** 246
Volcanoes. Plumbing volcanoes, *News and views*, **359,** 194
Volcanology. Cyclic formation of debris avalanches at Mount St Augustine volcano, *Letter to Nature*, (Begét, J E, Kienle, J) **356,** 701
Volcano hazards: Threats from debris avalanches, *News and views*, (Siebert, L) **356,** 658
Importance of gravitational spreading in the tectonic and volcanic evolution of Mount Etna, *Letter to Nature*, (Borgia, A, Ferrari, L, Pasquarè, G) **357,** 231
Curved saplings at Mt St Helens, *Scientific correspondence*, (Yamaguchi, D K, Waitt, R B) **357,** 449
Memory logs, *News and views*, **359,** 672
Volcanoes: You can pile it only so high, *News and views*, (Delaney, P T) **357,** 194
Dead issues, *News and views*, **357,** 364
Volcanology: What goes up could come down, *News and views*, (Fink, J) **359,** 102
Bubbles in volcanic systems, *Scientific correspondence*, (Sahagian, D L, Proussevitch, A A) **359,** 485
Crumbling of dacite dome lava and generation of pyroclastic flows at Unzen volcano, *Letter to Nature*, (Sato, H, Fujii, T, Nakada, S) **360,** 664
Mount Etna CO_2 may affect climate, *Scientific correspondence*, (Caldeira, K, Rampino, M R) **355,** 401
Thermal disequilibrium at the top of volcanic clouds and its effect on estimates of the column height, *Letter to Nature*, (Woods, A W, Self, S) **355,** 628
Curved saplings at Mount St Helens, *Scientific correspondence*, (Bursik, M I, Woods, A W) **355,** 594
Mountains of fire: The nature of volcanoes, *Book review by* Fink, J. **355,** 688
Voltage sensors. Function of a truncated dihydropyridine receptor as both voltage sensor and calcium channel, *Letter to*

Nature, (Beam, K G, Adams, B A, Niidome, T, Numa, S, Tanabe, T) **360,** 169
Volume transitions, gels. Multiple phases of polymer gels, *Letter to Nature*, (Annaka, M, Tanaka, T) **355,** 430
von Neumann, John. Prisoner's dilemma: John von Neumann, game theory and the puzzle of the bomb, *Book review by* Shubik, M, **356,** 637
Vortex rings. Vortex air rings, *Scientific correspondence*, (Rivest, R L) **356,** 199
Vortex air rings: Reply, *Scientific correspondence*, (Aref, H) **356,** 200
Instability and reconnection in the head-on collision of two vortex rings, *Letter to Nature*, (Lim, T T, Nickels, T B) **357,** 225
Vortices, magnetic flux. Are superconductors really superconducting?, *Review article*, (Huse, D A, Fisher, M P A, Fisher, D S) **358,** 553
Novel field-induced asymmetry in the remanent magnetization of the superconductor $YBa_2Cu_3O_{7-\delta}$, *Letter to Nature*, (Brawner, D A, Ong, N P, Wang, Z Z) **358,** 567
Real-time observation of vortex lattices in a superconductor by electron microscopy, *Letter to Nature*, (Harada, K, Matsuda, T, Bonevich, J, Igarashi, M, Kondo, S, Pozzi, G, Kawabe, U, Tonomura, A) **360,** 51
Vortices. Vortices on accretion disks, *Letter to Nature*, (Abramowicz, M A, Lanza, A, Spiegel, E A, Szuszkiewicz, E) **356,** 41
Forced vortex interaction and annihilation in an active medium, *Letter to Nature*, (Schütze, J, Steinbock, O, Müller, S C) **356,** 45
Loss of homogeneity in a suspension by kinematic action, *Letter to Nature*, (Goldshtik, M, Husain, H S, Hussain, F) **357,** 141
Waardenburg's syndrome. Waarenburg's syndrome patients have mutations in the human homologue of the *?ax-3* paired box gene, *Letter to Nature*, **355,** 635
An exonic mutation in the *HuP2* paired domain gene causes Waardenburg's syndrome, *Letter to Nature*, **355,** 637
War. Echoes of war: The story of H2S radar, *Book review by* Jones, R V, **355,** 307
War in the age of intelligent machines, *Book review by* Collins, H M, **356,** 205
War, Europe. Foothold in Bosnia, *Opinion*, **358,** 525
Warburg, Otto. Ein genie irrt seltener .. Otto Heinrich Warburg: Ein lebensbild in dokumenten, *Book review by* Gratzer, W, **356,** 640
Wasp societies. Social contracts in wasp societies, *Letter to Nature*, (Reeve, H K, Nonacs, P) **359,** 823
Waste disposal, India. Scavengers undermine Indian incinerator, *News*, (Jayaraman, K S) **359,** 763
Water, mantle. Water in the Earth's upper mantle, *Review article*, (Thompson, A B) **358,** 295
Water. Phase behaviour of metastable water, *Letter to Nature*, (Poole, P H, Sciortino, F, Essmann, U, Stanley, H E) **360,** 324
Liquid physics: Still waters run still deeper, *News and views*, (Sorensen, C M) **360,** 303
Watson, James. Watson resigns, genome project open to change, *News*, (Anderson, C) **356,** 549
US genome head faces charges of conflict, *News*, (Anderson, C) **356,** 463
Healy in a hurry, *Opinion*, **356,** 547
Wave breaking. Enhanced dissipation of kinetic energy beneath surface waves, *Letter to Nature*, (Agrawal, Y C, Terray, E A, Donelan, M A, Hwang, P A, Williams, A J III, Drennan, W M, Kahma, K K, Kitaigorodskii, S A) **359,** 219
Weather prediction. Extreme weather events, *Scientific correspondence*, (Keppenne, C L, Ghil, M) **358,** 547
Weather systems. Structure of stratospheric intrusions into the troposphere, *Letter to Nature*, (Appenzeller, C, Davies, H C) **358,** 570
Weathering. Alteration of tektite to form weathering products, *Letter to Nature*, (Mazer, J J, Bates, J K, Bradley, J P, Bradley, C R, Stevenson, C M) **357,** 573
Enhanced Cenozoic chemical weathering and the subduction of pelagic carbonate, *Letter to Nature*, (Caldeira, K) **357,** 578
Tectonic forcing of late Cenozoic climate, *Review article*, (Raymo, M E, Ruddiman, W F) **359,** 117
Wellcome Trust. Research foundations: Wellcome diversifies, *News*, (Aldhous, P) **356,** 8
Sweeter offer by Wellcome keeps genome scientist in Britain, *News*, (Mundell, I, Anderson, C) **357,** 99
Wellcome Trust to double spending after sale of shares, *News*, (Mundell, I) **358,** 359
Welcoming Wellcome, *Opinion*, **358,** 440
Werner's syndrome. Genetic linkage of Werner's syndrome to five markers on chromosome 8, *Letter to Nature*, (Goto, M, Rubenstein, M, Weber, J, Woods, K, Drayna, D) **355,** 735
West Africa, HIV. Human infection by genetically diverse SIV_{sm}-related HIV-2 in West Africa, *Letter to Nature*, (Gao, F, Yue, L, White, A T, Pappas, P G, Barchue, J, Hanson, A P, Greene, B M, Sharp, P M, Shaw, G M, Hahn, B H) **358,** 495
Wetlands, methane emissions. Methane and Milankovitch cycles, *Scientific correspondence*, (Adams, J M, Faure, H, Petit-Maire, N) **355,** 214
Wetlands, methane. Atmospheric methane: Tropical wetland sources, *News and views*, (Street-Perrott, F A) **355,** 23
Whales. A rete in the right whale, *Scientific correspondence*, (Ford, T J Jr, Kraus, S D) **359,** 680
Whaling. Science panel's report could end whaling ban, *News*, (Mundell, I, Swinbanks, D) **357,** 350
Science and sentimentality, *Commentary*, (Butterworth, D S) **357,** 532
Scientific panel continues work on whaling ban, *News*, (Mundell, I) **358,** 99
The debate on whaling, *Correspondence*, (Holt, S) **359,** 9
Alternative view on whaling, *News*, **360,** 523
Wheat. Cereal success, *News and views*, **357,** 364
White dwarfs. White dwarfs as quantum crystals, *Letter to Nature*, (Chabrier, G, Ashcroft, N W, DeWitt, H E) **360,** 48
Astronomy: Stars at the quantum limit, *News and views*, (Joss, P C) **360,** 15
Detection of a new white-dwarf binary system in the extreme ultraviolet using the Rosat Wide Field Camera, *Letter to Nature*, (Cooke, B A, Barstow, M A, Breeveld, E R, Charles, P A, Goodall, C V, Gourlay, J A, Hassall, B J M, Huckle, H E, Kent, B J, Pye, J P, Richards, A G, Sims, M R, Sumner, T J, Watson, M G, Wells, A, Willingale, R, Wright, J S) **355,** 61
Whitehead, Edwin C. Patron of science, *Opinion*, **355,** 574
Wigner, Eugene. The recollections of Eugene Wigner as told to Andrew Szanton, *Book review by* Bondi, H, **360,** 374
Wildlife management. Genetic resources: Fighting the rules of the game, *News*, (Stevens, J) **355,** 489
Windscale accident. Windscale 1957: Anatomy of a nuclear accident, *Book review by* Simpson, J, **356,** 297
Wine research. Journal of wine research, *Journal review*, (Goswell, R, Morris, J, Unwin, T) **359,** 449
Weeping wine, *News and views*, **360,** 536
Wittgenstein, Ludwig. Wittgenstein and Smythies, *Correspondence*, (Smythies, J R) **355,** 490
Wolf-Rayet stars. X-ray binaries: Optical signature of Cygnus X-3, *News and views*, (Conti, P S) **355,** 680
Infrared helium emission lines from Cygnus X-3 suggesting a Wolf-Rayet star companion, *Letter to Nature*, (van Kerkwijk, M H, Charles, P A, Geballe, T R, King, D L, Miley, G K, Molnar, L A, van de Heuvel, E P J, van der Klis, M, van Paradijs, J) **355,** 703
Women in science. To the ends of the Earth: Women's search for education in medicine, *Book review by* Rossiter, M W, **356,** 485
Prospects for women in science, *Correspondence*, (Osborn, M) **360,** 101
Women in science, *Correspondence*, (Hogan, B,) **359,** 92
NIH to help women return to research, *News*, (Watson, T) **359,** 189
Women in science, *Correspondence*, (Engel, J, Flynn, J J, Crane, P R, Lanyon, S) **360,** 405
Women, drug trials. US drug trials said to ignore gender differences, *News*, (Watson, T) **360,** 6
Women, in science. Women in research: NIH aims at 'glass ceiling', *News*, (Anderson, C.) **356,** 6
World Bank. Growing with environmental care, *Opinion*, **357,** 177
Wounds, gunshot. Shooting match, *News and views*, **355,** 209
Wounds. Actin cables and epidermal movement in embryonic wound healing, *Letter to Nature*, (Martin, P, Lewis, J) **360,** 179
Writing, scientific. The infectiousness of pompous prose, *Commentary*, (Gregory, M W) **360,** 11
Nature for non-English speakers, *Correspondence*, (Mittwoch, U, Gross, M) **360,** 203
Sex and gender, *Correspondence*, (Goodhart, C B) **359,** 182
X-ray astronomy. X-ray detection of Nova Herculis 1991 five days after optical outburst, *Letter to Nature*, (Lloyd, H M, O'Brien, T J, Bode, M F, Predehl, P, Schmitt, J H M M, Trümper, J, Watson, M G, Pounds, K A) **356,** 222
Does an orbiting star cause periodic modulation of X-rays from NGC6814?, *Letter to Nature*, (Sikora, M, Begelman, M C) **356,** 224
Astronomy: Puzzling pulsations explained, *News and views*, (Sion, E M) **358,** 545
Possible cataclysmic variable in the core of the globular cluster 47 Tucanae, *Letter to Nature*, (Paresce, F, De Marchi, G, Ferraro, F R) **360,** 46
X-ray flares from runaway pair production in active galactic nuclei, *Letter to Nature*, (Kirk, J G, Mastichiadis, A) **360,** 135
Disappearance of coronal X-ray emission in stars with cool dense winds, *Letter to Nature*, (Haisch, B, Schmitt, J H M M, Fabian, A C) **360,** 239
Active galactic nuclei: Ignition of X-ray flares, *News and views*, (Baring, M G) **360,** 109
Highly ionized gas in the nucleus of the active galaxy MCG-6-30-15, *Letter to Nature*, (Nandra, K, Pounds, K A) **359,** 215
X-ray detection of the eclipsing millisecond pulsar PSR1957+20, *Letter to Nature*, (Kulkarni, S R, Phinney, E S, Evans, C R, Hasinger, G) **359,** 300
X-rays from the eclipsing pulsar 1957+20, *Letter to Nature*, (Fruchter, A S, Bookbinder, J, Garcia, M R, Bailyn, C D) **359,** 303
X-ray binaries. X-ray binaries: Optical signature of Cygnus X-3, *News and views*, (Conti, P S) **355,** 680
Infrared helium emission lines from Cygnus X-3 suggesting a Wolf-Rayet star companion, *Letter to Nature*, (van Kerkwijk, M H, Charles, P A, Geballe, T R, King, D L, Miley, G K, Molnar, L A, van de Heuvel, E P J, van der Klis, M, van Paradijs, J) **355,** 703
X-ray crystallography. Catalysis steps, *Scientific correspondence*, (Stein, R L) **356,** 23
Identification of a Fab interaction footprint site on an icosahedral virus by cryoelection microscopy and X-ray crystallography, *Letter to Nature*, (Wang, G, Porta, C, Chen, Z, Baker, T S, Johnson, J E) **355,** 275
Catalysis steps: Reply, *Scientific correspondence*, (Kallen, J, Spitzfaden, C, Zurini, M G M, Wider, G, Widmer, H, Wüthrich, K, Walkinshaw, M D) **356,** 24
Pheromone binding to two rodent urinary proteins revealed by X-ray crystallography, *Letter to Nature*, (Böcskei, Z, Groom, C R, Flower, D R, Wright, C E, Phillips, S E V, Cavaggioni, A, Findlay, J B C, North, A C T) **360,** 186
Structural basis of latency in plasminogen activator inhibitor-1, *Letter to Nature*, (Mottonen, J, Strand, A, Symersky, J, Sweet, R M, Danley, D E, Geoghegan, K F, Gerard, R D, Goldsmith, E J) **355,** 270
X-ray fluorescence. Soft option for pigment analysis, *News and views*, (Pease, R) **359,** 367
X-ray generators. Pyroelectric X-ray generator, *Scientific correspondence*, (Brownridge, J D) **358,** 287
X-ray powder diffraction. Determination of complex structures by combined neutron and synchrotron X-ray powder diffraction, *Letter to Nature*, (Morris, R E, Harrison, W T A, Nicol, J M, Wilkinson, A P, Cheetham, A K) **359,** 519
X-ray sources. Li in V404 Cygni, *Scientific correspondence*, (Wallerstein, G) **356,** 569
A double-sided radio jet from the compact Galactic Centre annihilator 1E1740.7-2942, *Letter to Nature*, (Mirabel, I F, Rodríguez, L F, Cordier, B, Paul, J, Lebrun, F) **358,** 215
High-energy astronomy: The big accelerator in the sky, *News and views*, (Phinney, E S) **358,** 189
A 6.5-day periodicity in the recurrent nova V404 Cygni implying the presence of a black hole, *Letter to Nature*, (Casares, J, Charles, P A, Naylor, T) **355,** 614
Black holes: Placing faith in the masses?, *News and views*, (Dolan, J F) **355,** 589
Xeroderma pigmentosum. Expression cloning of a human DNA repair gene involved in xeroderma pigmentosum group C, *Letter to Nature*, (Legerski, R, Peterson, C) **359,** 70
DNA repair: Damage-limitation exercises, *News and views*, (Barnes, D E) **359,** 12
Corrections: Expression cloning of a human DNA repair gene involved in xeroderma pigmentosum group C, *Letter to Nature*, (Legerski, R, Peterson, C) **360,** 610
Yeast *RAD14* and human xeroderma pigmentosum group A DNA-repair genes encode homologous proteins, *Letter to Nature*, **355,** 555
Yale University. Yale retrenches, *Opinion*, **355,** 284
University policy: Yale to cut departments, *News*, (Culliton, B J) **355,** 288
Yeast. Immuno-isolation of Sec7p-coated transport vesicles from the yeast secretory pathway, *Letter to Nature*, (Franzusoff, A, Lauzé, E, Howell, K E) **355,** 173
Yeast genetics. New yeast actin-like gene required late in the cell cycle, *Letter to Nature*, (Schwob, E, Martin, R P) **355,** 179
Yeast genetics. Is yeast TCP1 a chaperonin?, *Scientific correspondence*, (Ursic, D, Culbertson, M R) **356,** 392
A yeast gene (*BEM1*) necessary for cell polarization whose product contains two SH3 domains, *Letter to Nature*, (Chenevert, J, Corrado, K, Bender, A, Pringle, J, Herskowitz, I) **356,** 77
SWI6 protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast, *Letter to Nature*, (Lowndes, N F, Johnson, A L, Breeden, L, Johnston, L H) **357,** 505
A central role for *SWI6* in modulating cell cycle Start-specific transcription in yeast, *Letter to Nature*, (Dirick, L, Moll, T, Auer, H, Nasmyth, K) **357,** 508
Alterations in a yeast protein resembling HIV-*Tat*-binding protein relieve requirement for an acidic activation domain in GAL4, *Letter to Nature*, (Swaffield, J C, Bromberg, J F, Johnston, S A) **357,** 698; *Erratum*, **360,** 768
What is a chaperonin?, *Scientific correspondence*, (Hemmingsen, S M) **357,** 650
Yeast retrotransposon revealed, *Scientific correspondence*, (Voytas, D F, Boeke, J D) **358,** 717
Control of DNA synthesis genes in fission yeast by the cell-cycle gene *cdc10*, *Letter to Nature*, (Lowndes, N F, McInerny, C J, Johnson, A L, Fantes, P A, Johnston, L H) **355,** 449
Yeast, genome research. The complete DNA sequence of yeast chromosome III, *Article*, (Oliver, S G, van der Aart, Q J M, Agostoni-Carbone, M L, Aigle, M, Alberghina, L, Alexandraki, D, Antoine, G, Anwar, R, Ballesta, J P G, Benit, P, Berben, G, Bergantino, E, Biteau, N, Bolle, P A, Bolotin-Fukuhara, M, Brown, A, Brown, A J P, Buhler, J M, Carcano, C, Carignani, G, Cederberg, H, Chanet, R, Contreras, R, Crouzet, M, Daignan-Fornier, B, Defoor, E, Delgado, M, Demolder, J, Doira, C, Dubois, E, Dujon, B, Dusterhoft, A, Erdmann, D, Esteban, M, Fabre, F, Fairhead, C, Faye, G, Feldmann, H, Fiers, W, Francingues-Gaillard, M C, Franco, L, Frontali, L, Fukuhara, H, Fuller, L J, Galland, P, Gent, M E, Gigot, D, Gilliquet, V, Glansdorff, N, Goffeau, A, Grenson, M, Grisanti, P, Grivell, L A, de Haan, M, Haasemann, M, Hatat, D, Hoenicka, J, Hegemann, J, Herbert, C J, Hilger, F, Hohmann, S, Hollenberg, C P, Huse, K, Iborra, F, Indge, K J, Isono, K, Jacq, C, Jacquet, M, James, C M, Jauniaux, J C, Jia, Y, Jimenez, A, Kelly, A, Kleinhans, U,

Kreisl, P. Lanfranchi, G. Lewis, C. van der Linden, C G. Lucchini, G. Lutzenkirchen, K. Maat, M J. Mallet, L. Mannhaupt, G. Martegani, E. Mathieu, A. Maurer, C T C. McConnell, D. McKee, R A. Messenguy, F. Mewes, H W. Molemans, F. Montague, M A. Muzi Falconi, M. Navas, L. Newlon, C S. Noone, D. Pallier, C. Panzeri, L. Pearson, B M. Perea, J. Philippsen, P. Pierard, A. Planta, R J. Plevani, P. Poetsch, B. Pohl, F. Purnelle, B. Ramezani Rad, M. Rasmussen, S W. Raynal, A. Remacha, M. Richterich, P. Roberts, A B. Rodriguez, F. Sanz, E. Schaaf-Gerstenschlager, I. Scherens, B. Schweitzer, B. Shu, Y. Skala, J. Slonimski, P P. Sor, F. Soustelle, C. Spiegelberg, R. Stateva, L I. Steensma, H Y. Steiner, S. Thierry, A. Thireos, G. Tzermia, M. Urrestarazu, L A. Valle, G. Vetter, I. van Vliet-Reedijk, J C. Voet, M. Volckaert, G. Vreken, P. Wang, H. Warmington, J R. von Wettstein, D. Wicksteed, B L. Wilson, C. Wurst, H. Xu, G. Yoshikawa, A. Zimmermann, F K. Sgouros, J G) **357,** 38

Ever-longer sequences in prospect, *News and views,* (Maddox, J) **357,** 13

Yeast. Fungal physiology: Yeast branches out, *News and views,* (Herskowitz, I) **357,** 190

The molecular and cellular biology of the yeast *Saccharomyces.* Volume 1: Genome dynamics, protein synthesis and energetics, *Book review by* Wilkie, D. **357,** 206

Yersinia. Parasitology: Skirmishes on the border, *News and views,* (Donelson, J E, Fulton, A B) **356,** 480

Yugoslavia, nationalism. Nikola Tesla, *Correspondence,* (Kovach, Y) **355,** 292

Yugoslavia, Panic. Head of US drug company takes Serbian post, *News,* (Watson, T) **358,** 100

Yugoslavia. Will there ever be peace in Europe?, *Opinion,* **358,** 439

Plight of Bosnia and Croatia, *Correspondence,* (Pravdic, V, Doric, S, Dikic, I) **359,** 571

Foothold in Bosnia, *Opinion,* **358,** 525

Zagury, Daniel. Ethics: Daniel Zagury cleared of misconduct charges, *News,* (Culliton, B J) **355,** 286

Zoology. Population variation in the ontogeny of predator-induced vertical migration of copepods, *Letter to Nature,* (Neill, W E) **356,** 54

Female swallow preference for symmetrical male sexual ornaments, *Letter to Nature,* (Moller, A P) **357,** 238

A rete in the right whale, *Scientific correspondence,* (Ford, T J Jr, Kraus, S D) **359,** 680

Last resting place of a thylacine, *Scientific correspondence,* (Paddle, R N) **360,** 215

Swallowing ornamental asymmetry, *Scientific correspondence,* (Balmford, A, Thomas, A, Borgia, G, Wilkinson, G, Møller, A P) **359,** 488

History of animals (3 volumes); parts of animals, movement of animals, progression of animals (1 volume); generation of animals (1 volume), *Book review by* Temple, R. **359,** 489

Cuckoldry through stored sperm in the sequentially polyandrous spotted sandpiper, *Letter to Nature,* (Oring, L W, Fleischer, R C, Reed, J M, Marsden, K E) **359,** 631

Zoos, UK. Keeping zoos alive, *Opinion,* **358,** 94

London zoo crippled, *Correspondence,* (Cross, B) **358,** 102

London Zoo crippled by misjudgement, *Opinion,* **357,** 613

Research effort is preserved in plan to close London Zoo, *News,* (Mundell, I) **357,** 620

The zoo that has to close, *Commentary,* (Zuckerman, Lord) **357,** 621

A national primate centre?, *Correspondence,* (Fink, G) **358,** 705

London Zoo: Rebel fellows claim success, *News,* (Aldhous, P) **355,** 100

London Zoo: Jones's head rolls, *News,* (Aldhous, P) **355,** 488

A zoo with animals, *Opinion,* **355,** 188

ZP3 molecule. Complementarity between sperm surface β-1,4-galactosyl-transferase and egg-coat ZP3 mediates sperm-egg binding, *Letter to Nature,* (Miller, D J, Macek, M B, Shur, B D) **357,** 589

THIS PERIODICAL MAY BE COPYRIGHTED, IN
WHICH CASE THE CONTENTS REMAIN THE PROPERTY
OF THE COPYRIGHT OWNER. THE MICROFORM
EDITION IS REPRODUCED BY AGREEMENT WITH
THE PUBLISHER. DUPLICATION OR RESALE WITHOUT
PERMISSION IS PROHIBITED.

UNIVERSITY MICROFILMS INTERNATIONAL,
ANN ARBOR, MICHIGAN